
COMMERCIAL FERTILIZERS

CONSUMPTION FOR YEAR ENDED

JUNE 30, 1979



Crop
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Board

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For Information Call: (202) 447-7687

TOTAL FERTILIZER CONSUMPTION UP 7 PERCENT

Fertilizer consumption in the U.S. and Puerto Rico during the year ended June 30, is placed at 51.0 million tons, up 7 percent from the 47.5 million tons consumed in the 1977-78 year.

Primary nutrient content (nitrogen, N; phosphate, P₂O₅; and potash, K₂O) was 22.4 million tons, up 9 percent from a year earlier. Nitrogen consumption increased 7 percent to 10.6 million tons; phosphate usage increased 9 percent to 5.5 million tons; potash at 6.2 million tons was up 12 percent.

The five leading States in order of total consumption and the change in consumption from last year were: Illinois, up 17 percent; Iowa, up 20 percent; California, up 16 percent; Indiana, up 3 percent and Texas, up 8 percent.

Fertilizer consumption represents all commercial fertilizer tonnage sold or used for farm and non-farm use as fertilizer. Materials used in the manufacture of registered mixes or for use in other fertilizers are excluded.

DIRECT APPLICATION MATERIALS INCREASED 8 PERCENT

Usage of all direct application materials increased 8 percent during the 1978-79 fertilizer year to 27.4 million tons. Primary nutrient material (N, P₂O₅, K₂O) accounted for 25.3 million tons compared with 23.5 million tons a year earlier. Secondary and micronutrient materials increased from 1.9 million tons in 1978 to 2.1 million tons in 1979.

MICRONUTRIENTS SOLD FOR FERTILIZER

Sales of selected micronutrient elements for use in fertilizer were obtained from known primary producers. These tonnages shown in table 19 indicate increases for zinc and decreases for iron, copper, molybdenum, and manganese.

DATA SOURCES AND RELEASE DATES

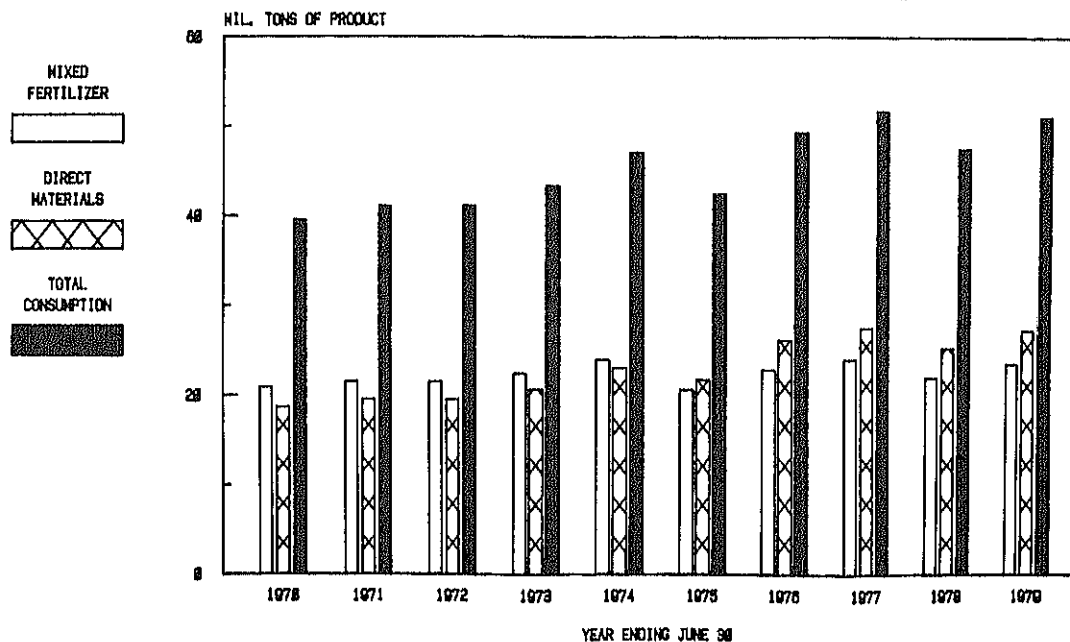
This report, compiled by the Crop Reporting Board of the Economics, Statistics, and Cooperatives Service, is based on fertilizer tonnage reports prepared by State Fertilizer Control Officials and the voluntary response of more than 1,500 fertilizer manufacturers, blenders and sales outlets.

Current year consumption data will be subject to revision one year from now. The Consumption by Class Report will be released by the Crop Reporting Board on December 3, 1979 at 3 p.m.

TABLE 1.--UNITED STATES CONSUMPTION OF FERTILIZERS AND PLANT NUTRIENTS
1960-1979

YEAR ENDED JUNE 30	TOTAL CONSUMPTION							
	GROSS TONNAGES				PRIMARY NUTRIENT CONTENT			
	MIXED FERTI- LIZER	PRIMARY NUTRIENT MATERIAL	SECONDARY & MICRO- NUTRIENTS	TOTAL	N	AVAILABLE P ₂ O ₅	K ₂ O	TOTAL
	1,000 TONS							
1960	15,650	7,850	1,378	24,877	2,738.0	2,572.4	2,153.3	7,463.7
1961	15,735	8,639	1,194	25,567	3,030.8	2,645.1	2,168.5	7,844.4
1962	16,205	9,100	1,310	26,615	3,370.0	2,807.0	2,270.5	8,447.5
1963	17,157	10,229	1,459	28,844	3,929.1	3,072.9	2,503.4	9,505.4
1964	18,093	11,113	1,475	30,681	4,352.8	3,377.8	2,729.7	10,460.3
1965	18,559	11,756	1,521	31,836	4,638.5	3,512.2	2,834.5	10,985.2
1966	19,659	13,412	1,461	34,532	5,326.3	3,897.1	3,221.2	12,444.6
1967	21,132	14,552	1,397	37,081	6,027.1	4,304.7	3,641.8	13,973.6
1968	21,294	15,832	1,617	38,743	6,787.6	4,453.3	3,792.6	15,033.5
1969	21,234	16,380	1,334	38,949	6,957.6	4,665.6	3,891.6	15,514.8
1970	20,961	17,331	1,297	39,589	7,459.0	4,573.8	4,035.5	16,068.3
1971	21,513	18,389	1,216	41,118	8,133.6	4,803.4	4,231.4	17,168.4
1972	21,511	18,385	1,310	41,206	8,022.3	4,863.7	4,326.8	17,212.8
1973	22,547	19,275	1,466	43,288	8,295.1	5,085.2	4,648.7	18,029.0
1974	24,067	20,897	2,130	47,094	9,157.2	5,098.6	5,082.6	19,338.4
1975	20,647	19,959	1,878	42,484	8,600.8	4,506.8	4,453.2	17,560.9
1976	22,958	23,935	2,296	49,189	10,411.6	5,227.6	5,209.7	20,848.8
1977	24,099	24,999	2,525	51,624	10,647.4	5,629.7	5,833.8	22,110.9
1978	22,110	23,511	1,877	47,497	9,964.6	5,096.1	5,526.1	20,586.9
1979	23,639	25,313	2,080	51,031	10,643.0	5,543.7	6,216.1	22,402.8

CONSUMPTION OF MIXED FERTILIZERS AND DIRECT APPLICATION MATERIALS



PLANT NUTRIENT CONSUMPTION

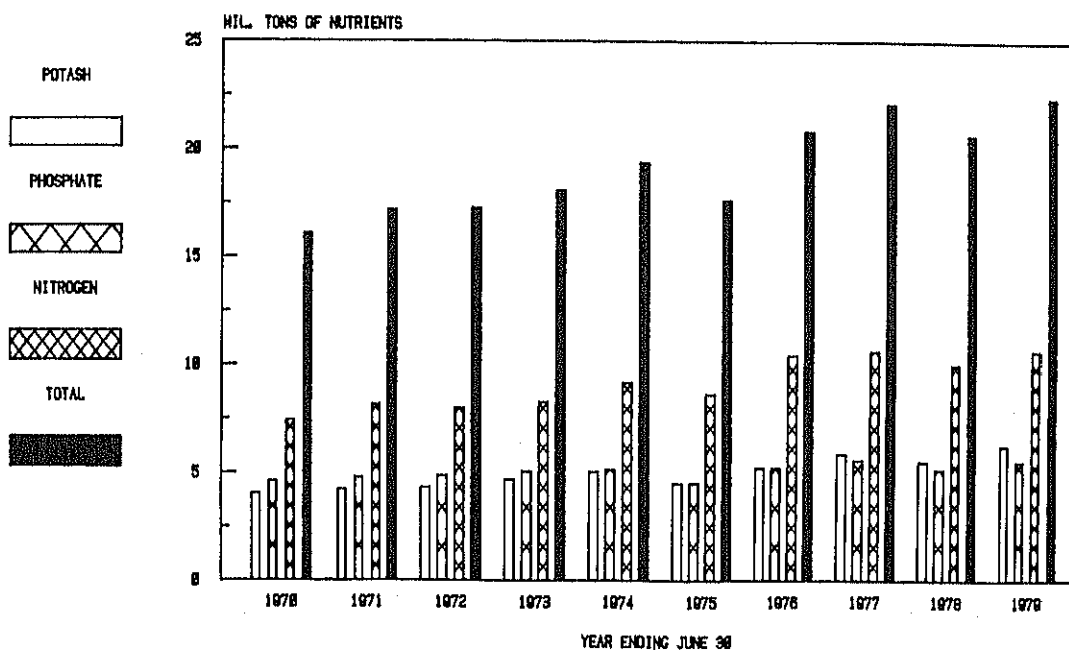


TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,
YEARS ENDED JUNE 30, 1978 AND 1979 1/ 2/

KIND	UNITED STATES		1979			
	1978	1979	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	EAST NORTH CENTRAL
	IONS					
MIXTURES						
N-P-K	15,518,686	16,224,634	257,859	1,271,965	4,758,347	3,268,429
N-P	4,700,694	5,262,247	6,299	58,857	43,955	1,400,245
N-K	482,514	516,377	2,559	5,944	372,772	34,269
P-K	1,408,042	1,635,598	4,787	79,241	464,392	449,796
TOTAL	22,109,936	23,638,856	271,504	1,416,007	5,639,466	5,152,739
NITROGEN MATERIALS						
ANHYDROUS AMMONIA	4,539,179	4,882,738	4	26,600	59,713	1,157,536
AQUA AMMONIA	500,283	488,397	0	45	297	8,532
AMMONIUM NITRATE	2,487,714	2,511,261	2,679	34,820	312,148	118,319
AMMONIUM NITRATE-LIMESTONE	13,752	10,377	0	83	1,121	9
AMMONIUM SULFATE	845,068	754,634	213	10,914	15,110	45,160
CALCIUM CYANAMIDE	2,222	1,395	0	0	11	1,384
CALCIUM NITRATE	27,226	65,708	308	2,419	15,544	7,816
NITROGEN SOLUTIONS	5,510,895	5,998,830	2,022	192,368	1,118,978	1,651,946
SODIUM NITRATE	60,698	83,946	121	17,557	51,194	934
UREA	1,934,092	2,118,070	13,912	75,898	14,026	463,116
OTHER	445,687	432,701	3,310	52,231	24,917	126,341
TOTAL	16,366,816	17,348,057	22,569	412,935	1,613,059	3,581,093
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	438	490	17	33	19	106
CASTER POMACE	234	215	205	0	10	0
COMPOST	35,429	15,544	6,108	2,521	1,191	4,291
COTTONSEED MEAL	6,905	6,074	74	30	128	15
DRIED MANURE	206,782	190,631	6,532	20,325	27,323	9,889
ACTIVATED SEWAGE SLUDGE	64,811	61,479	3,369	10,620	16,521	17,206
OTHER SEWAGE SLUDGE	58,024	43,442	1,004	27	458	2,892
TANKAGE	16,365	1,091	3	72	552	124
OTHER	14,745	20,659	23	4,028	268	7,207
TOTAL	403,753	339,625	17,337	37,656	46,470	41,730
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	657,742	576,774	2,612	13,992	36,567	711
BASIC SLAG	89,575	84,901	0	0	33,177	0
RAW AND STEAMED BONEMEAL	1,451	2,838	338	418	1,509	292
PHOSPHORIC SOLUTIONS	25,429	53,840	0	23,893	45	327
PHOSPHATE ROCK	20,320	12,203	47	759	1,436	1,451
CELLULOIDAL PHOSPHATE	4,993	5,239	0	1,291	146	911
SUPERPHOSPHATE GRADES:						
18 PERCENT	29,307	12,550	0	1,178	27	2,839
19 PERCENT	1,884	1,695	0	18	1,603	0
20-22 PERCENT	75,764	73,307	329	1,156	26,422	1,770
23-44 PERCENT	242,577	361,461	556	17,132	5,261	152,625
45 PERCENT	225,236	322,509	11	134	7	101,014
46 PERCENT	572,267	489,721	2,064	10,701	15,811	256,010
47-54 PERCENT	46,661	49,769	0	9,031	1	1,956
OTHER	62,084	117,112	2,462	9,325	11,244	30,817
TOTAL	2,055,290	2,163,919	8,419	89,028	133,256	550,723
POTASH MATERIALS						
LIKE POTASH	19,356	27,439	0	0	257	0
MANURE SALTS	6,017	7,553	0	214	1,471	2,277
POTASSIUM CHLORIDE	4,284,496	5,059,416	12,151	100,152	92,617	2,607,316
POTASSIUM MAGNESIUM SULFATE	116,667	105,053	384	3,034	32,192	12,107
POTASSIUM NITRATE 4/	10,764	6,252	113	134	4,614	99
POTASSIUM SODIUM NITRATE	70,438	76,485	2	3,363	66,345	110
POTASSIUM SULFATE	58,655	48,225	1	1,707	1,515	4,802
OTHER	118,931	130,846	29	2,173	13,505	36,188
TOTAL	4,685,324	5,461,269	12,680	110,777	212,516	2,662,899
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINUM COMPOUNDS 5/	39	523	5	158	351	8
BORON COMPOUNDS 5/	11,852	7,770	27	513	789	2,237
CALCIUM SULFATE (GYPSUM)	1,486,582	1,606,633	125	870	326,261	1,425
COPPER COMPOUNDS 5/	646	1,207	1	32	783	144
IRON COMPOUNDS 5/	11,094	17,708	1	16	536	21
MAGNESIUM COMPOUNDS 5/	4,277	5,357	170	1,039	1,611	437
MANGANESE COMPOUNDS 5/	10,347	10,093	5	490	5,490	2,028
SULFUR 5/	121,700	165,622	0	63	16,489	4,004
SULFURIC ACID	40,403	48,261	0	0	483	0
ZINC COMPOUNDS 5/	66,726	81,533	22	31	3,992	1,441
OTHER	122,975	134,916	321	766	27,486	15,050
TOTAL	1,876,641	2,079,623	677	3,978	384,271	26,795
TOTAL ALL FERTILIZERS	47,497,760	51,031,349	333,186	2,070,381	8,029,038	12,015,979

SEE FOOTNOTES ON PAGE 7.

TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,
YEARS ENDED JUNE 30, 1978 AND 1979 1/ 2/--CONTINUED

KIND	1979					
	WEST NORTH CENTRAL	EAST SOUTH CENTRAL	WEST SOUTH CENTRAL	MOUNTAIN	PACIFIC	ALASKA HAWAII PUERTO RICO
IONS						
MIXTURES						
N-P-K	2,265,864	1,644,454	1,851,396	126,595	500,264	279,461
N-P	2,211,369	232,100	615,194	354,163	306,636	33,429
N-K	13,555	5,583	12,584	12,523	3,519	53,069
P-K	213,886	220,425	195,579	4,359	2,407	726
TOTAL	4,704,674	2,102,562	2,674,753	497,640	812,826	366,685
NITROGEN MATERIALS						
ANHYDROUS AMMONIA	2,482,654	104,153	550,609	214,237	252,801	34,431
AQUA AMMONIA	8,624	2,188	8,073	30,727	420,946	8,965
AMMONIUM NITRATE	550,010	549,073	520,663	272,021	150,225	1,303
AMMONIUM NITRATE-LIMESTONE	421	289	9	6,582	1,863	0
AMMONIUM SULFATE	30,419	1,094	137,907	185,547	323,990	4,280
CALCIUM CYANAMIDE	0	0	0	0	0	0
CALCIUM NITRATE	24	2,858	0	1,545	35,141	53
NITROGEN SOLUTIONS	1,692,003	187,897	327,052	274,242	541,586	10,736
SODIUM NITRATE	182	9,127	2,079	0	2,728	24
UREA	773,506	113,768	311,049	124,885	206,216	21,694
OTHER	14,167	5,001	21,604	43,079	142,048	3
TOTAL	5,552,010	975,448	1,879,045	1,152,865	2,077,544	81,489
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	2	0	0	1	312	0
CASTOR POMACE	0	0	0	0	0	0
COMPOST	71	0	0	1,362	0	0
COTTONSEED MEAL	0	31	5,693	0	101	0
DRIED MANURE	182	659	24,375	3,836	97,510	0
ACTIVATED SEWAGE SLUDGE	6,200	1,850	3,500	777	1,436	0
OTHER SEWAGE SLUDGE	0	3,896	0	303	34,862	0
TANKAGE	1	335	0	0	4	0
OTHER	1,827	0	137	1,601	5,568	0
TOTAL	8,283	6,771	33,705	7,880	139,793	0
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	42,436	68	87,773	101,341	289,995	1,279
BASIC SLAG	0	43,866	1,325	0	0	6,533
RAW AND STEAMED BONE MEAL	0	0	2	14	246	19
PHOSPHORIC SOLUTIONS	11,185	0	2,519	7,217	8,553	101
PHOSPHATE ROCK	488	0	98	75	6,808	1,041
COLLOIDAL PHOSPHATE	2,795	0	96	0	0	0
SUPERPHOSPHATE GRADES:						
18 PERCENT	981	0	80	0	7,445	0
19 PERCENT	0	0	0	0	74	0
20-22 PERCENT	5,257	6,351	2,005	2,144	27,873	0
23-44 PERCENT	158,487	17,000	533	10,082	1,785	0
45 PERCENT	133,837	2,152	9,200	40,972	28,856	4,326
46 PERCENT	67,452	91,975	39,469	517	4,630	1,092
47-54 PERCENT	3,361	6,224	0	19,843	9,353	0
OTHER	756	47	36,125	13,944	12,388	4
TOTAL	427,035	167,683	179,225	196,149	398,006	14,395
POTASH MATERIALS						
LIME POTASH	456	0	26,726	0	0	0
MANURE SALTS	2,600	985	6	0	0	0
POTASSIUM CHLORIDE	1,743,993	310,371	72,960	23,663	77,868	18,325
POTASSIUM MAGNESIUM SULFATE	23,902	4,713	13,919	7,292	7,294	216
POTASSIUM NITRATE 4/	28	137	0	13	1,019	55
POTASSIUM SODIUM NITRATE	216	5,837	612	0	0	0
POTASSIUM SULFATE	395	20,000	151	7,320	11,071	1,263
OTHER	54,593	3,109	2,378	15,602	3,252	17
TOTAL	1,826,183	345,152	116,752	53,890	100,504	19,916
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINUM COMPOUNDS 5/	0	0	0	1	0	0
BORON COMPOUNDS 5/	476	686	31	77	2,933	1
CALCIUM SULFATE (GYPSUM)	5,737	410	0	17,974	1,253,831	0
COPPER COMPOUNDS 5/	134	7	0	46	60	0
IRON COMPOUNDS 5/	7,809	1,001	9	2,779	3,720	1,816
MAGNESIUM COMPOUNDS 5/	573	233	1	93	809	391
MANGANESE COMPOUNDS 5/	1,102	0	0	417	515	46
SULFUR 5/	58,163	141	33	14,230	72,453	46
SULFURIC ACID	0	0	0	1,624	46,154	0
ZINC COMPOUNDS 5/	38,650	356	122	10,984	25,779	156
OTHER	34,143	20,668	2,433	9,733	24,316	0
TOTAL	146,787	23,502	2,629	57,958	1,430,570	2,456
TOTAL ALL FERTILIZERS	12,664,972	3,621,118	4,886,109	1,966,382	4,959,243	484,541

1/ EXCLUDES LIMING MATERIALS AND ALL MATERIALS USED IN MAKING MIXTURES.

2/ STATES THAT ARE INCLUDED IN EACH REGION ARE DETAILED IN TABLE 15.

3/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

4/ ADDITIONAL QUANTITIES MAY HAVE BEEN REPORTED BY GRADE UNDER MIXTURES; SEE TABLE 15.

5/ REPORTED FOR USE PRIMARILY AS DIRECT APPLICATION MATERIAL.

TABLE 3 -- CONSUMPTION OF FERTILIZER MIXTURES AND DIRECT APPLICATION MATERIALS,
YEARS ENDED JUNE 30, 1978 AND 1979 1/

STATE	MIXTURES		DIRECT APPLICATION MATERIALS 2/				TOTAL		
			PRIMARY NUTRIENT		SECONDARY AND MICRO-NUTRIENT		1978	1979	1979 AS PERCENT OF 1978
	1978	1979	1978	1979	1978	1979			
			-- TONS --						PERCENT
ALA	687,228	711,463	364,006	339,255	15,740	19,720	1,066,974	1,070,438	100
ALAS	4,185	3,118	1,245	1,655	0	0	5,430	4,773	88
ARIZ	48,260	63,616	233,186	240,596	20,624	16,337	302,070	320,549	106
ARK	368,703	370,692	272,872	291,617	1,301	2,585	642,876	664,894	103
CALIF	652,234	544,087	1,812,212	1,623,605	1,315,945	1,390,079	3,780,391	3,557,771	94
COLO	106,252	79,213	288,488	297,726	13,197	9,044	407,937	385,983	95
CONN	38,777	36,831	21,069	20,704	117	431	59,963	59,966	100
DEL	76,156	80,946	43,635	47,778	165	236	119,958	128,960	108
D C	6,060	10,595	795	1,867	205	50	7,060	12,516	177
FLA	1,648,486	1,860,227	298,653	308,033	51,689	56,244	1,998,828	2,224,504	111
GA	1,295,151	1,324,990	710,731	716,623	165,652	205,893	2,171,534	2,247,506	103
HAW	133,792	119,866	57,705	103,800	2,248	2,456	193,745	226,122	117
IDAHO	58,733	122,786	482,100	447,316	27,459	20,829	608,292	590,931	97
ILL	1,229,425	1,455,568	2,378,459	2,761,740	194	251	3,608,092	4,217,959	117
IND	1,413,031	1,509,264	1,278,230	1,363,787	324	691	2,791,585	2,873,742	103
IOWA	1,127,775	1,288,187	2,120,006	2,590,695	19,946	55,060	3,267,725	3,933,942	120
KANS	379,971	460,379	1,011,316	1,086,937	31,524	31,015	1,422,811	1,578,331	111
KY	537,961	538,826	474,901	474,670	1,649	2,424	1,014,531	1,015,920	100
LA	435,463	416,715	218,102	215,111	208	0	653,773	631,826	97
MAINE	103,674	101,240	9,321	8,785	135	3	113,330	110,028	97
MD	255,366	304,454	123,042	150,166	192	293	418,620	454,913	109
MASS	71,471	58,397	14,970	11,393	62	224	86,503	70,014	81
MICH	677,416	685,086	542,989	610,937	5,282	12,443	1,225,687	1,308,466	107
MINN	686,253	756,213	1,265,720	1,618,676	14,293	14,737	1,966,306	2,389,626	122
MISS	425,728	417,011	265,633	335,958	566	237	791,927	753,206	95
MO	1,116,126	1,370,074	329,004	388,089	82	376	1,445,212	1,758,539	122
MONT	119,293	166,565	123,343	160,131	7,286	7,138	249,922	333,834	134
NEBR	387,106	423,565	1,399,531	1,440,135	15,942	37,594	1,802,979	1,901,298	105
NEV	4,464	5,192	20,506	19,655	2,391	1,632	27,361	26,479	97
N H	19,362	20,781	4,818	5,595	57	19	24,257	26,395	109
N J	152,105	160,171	28,897	34,301	4,014	1,956	185,020	196,428	106
N MEX	32,747	36,907	76,206	76,154	2,143	2,598	111,096	115,659	104
N Y	451,257	429,894	138,424	206,783	1,005	1,107	590,726	637,784	108
N C	1,285,975	1,307,702	516,926	538,734	54,126	88,971	1,857,027	1,935,407	104
N DAK	272,250	257,345	272,347	443,561	2,643	3,130	647,280	704,036	109
OHIO	562,674	1,040,960	1,005,487	1,182,929	2,784	5,340	1,970,945	2,229,229	113
OKLA	237,613	303,370	451,527	555,455	620	25	689,760	858,850	125
OREG	76,160	106,071	415,734	415,319	17,340	13,796	509,234	535,186	105
PA	482,611	402,363	181,394	176,381	374	302	664,379	579,046	87
R I	9,386	10,373	4,292	3,618	0	0	13,678	13,991	102
S C	574,777	568,253	262,936	247,186	5,999	5,308	843,712	820,747	97
S DAK	149,902	148,907	218,869	245,418	4,615	4,875	373,386	399,200	107
TENN	445,875	435,262	346,900	345,171	1,201	1,121	797,974	781,554	98
TEX	1,357,922	1,583,976	1,125,473	1,146,544	244	19	2,523,639	2,730,539	108
UTAH	12,083	11,326	111,025	104,584	408	84	123,516	115,994	94
VT	36,344	41,882	9,644	10,910	55	0	46,043	52,792	115
VA	578,318	578,294	150,017	194,725	20,898	27,855	789,233	800,874	101
WASH	126,682	162,668	636,861	676,923	26,642	26,695	790,185	866,286	110
W VA	38,261	27,580	27,150	33,120	28	34	65,439	60,734	93
WIS	463,760	461,461	962,526	917,052	16,414	8,070	1,442,700	1,386,583	96
WYO	23,310	12,035	54,941	64,622	613	296	78,864	76,953	98
P R	101,626	243,701	6,619	10,345	0	0	108,245	254,046	235
TOTAL	22,105,936	23,638,856	23,511,183	25,312,870	1,876,641	2,079,623	47,497,760	51,031,349	107

1/ EXCLUDES LIMING MATERIALS. 2/ EXCLUDES MATERIALS USED IN COMMERCIAL MIXTURES.

TABLE 4 -- SEMIANNUAL CONSUMPTION OF FERTILIZER MIXTURES AND MATERIALS,
YEAR ENDED JUNE 30, 1979 1/

STATE	MIXTURES			MATERIALS 2/			TOTAL MIXTURES AND MATERIALS JUL 1 1978 TO JUN 30 1979
	JUL 1 TO DEC 31 1978	JAN 1 TO JUN 30 1979	TOTAL	JUL 1 TO DEC 31 1978	JAN 1 TO JUN 30 1979	TOTAL	
				IONS			
ALA	153,095	558,368	711,463	87,752	271,223	358,975	1,070,438
ALAS	1,091	2,027	3,118	679	976	1,655	4,773
ARIZ	20,890	42,726	63,616	84,824	172,109	256,933	320,549
ARK	113,014	257,678	370,692	107,215	186,987	294,202	664,894
CALIF	263,055	281,032	544,087	1,751,628	1,262,056	3,013,684	3,557,771
COLORADO	21,391	57,822	79,213	83,014	223,756	306,770	385,983
CONN	4,465	34,366	38,831	4,755	16,380	21,135	59,966
DEL	12,299	68,647	80,946	14,468	33,546	48,014	128,960
D C	2,437	8,162	10,599	345	1,572	1,917	12,516
FLA	678,893	1,181,244	1,860,227	116,569	247,708	364,277	2,224,504
GA	225,176	1,099,814	1,324,990	190,166	732,350	922,516	2,247,506
HAW	59,658	60,208	119,866	46,709	59,547	106,256	226,122
IDAHO	40,043	82,743	122,786	158,553	309,592	468,145	590,931
ILL	721,887	734,081	1,455,968	1,117,003	1,644,988	2,761,991	4,217,959
IND	457,641	1,011,623	1,509,264	499,122	865,356	1,364,478	2,873,742
IOWA	612,163	676,024	1,288,187	1,078,549	1,567,206	2,645,755	3,933,942
KANS	233,019	227,360	460,379	439,045	678,907	1,117,952	1,578,331
KY	58,751	440,075	538,826	121,161	355,933	477,094	1,015,920
LA	91,677	325,038	416,715	96,800	118,311	215,111	631,826
MAINE	22,273	78,967	101,240	1,845	6,943	8,788	110,028
MD	67,387	237,067	304,454	47,654	102,805	150,459	454,913
MASS	12,655	45,742	58,397	3,645	7,972	11,617	70,014
MICH	172,848	512,238	685,086	184,456	438,924	623,380	1,308,466
MINN	378,851	377,362	756,213	861,713	771,700	1,633,413	2,389,626
MISS	108,423	308,588	417,011	94,135	242,060	336,195	753,206
MO	482,906	887,168	1,370,074	82,307	306,158	388,465	1,758,539
MONT	69,054	97,511	166,565	40,215	127,054	167,269	333,834
NEBR	84,432	339,137	423,569	366,246	1,111,483	1,477,729	1,901,298
NEV	1,191	4,001	5,192	7,060	14,227	21,287	26,479
N H	5,057	15,724	20,781	1,117	4,497	5,614	26,395
N J	23,843	126,328	160,171	9,076	27,181	36,257	196,428
N MEX	9,494	27,413	36,907	24,454	54,298	78,752	115,659
N Y	121,774	308,120	429,894	48,293	159,597	207,890	637,784
N C	174,725	1,132,977	1,307,702	166,671	461,034	627,705	1,935,407
N DAK	87,907	169,438	257,345	193,494	253,197	446,691	704,036
OHIO	343,231	657,729	1,040,960	397,151	791,118	1,188,269	2,229,229
OKLA	161,269	142,101	303,370	294,967	260,513	555,480	858,850
ORE	42,350	63,721	106,071	131,994	297,121	429,115	535,186
PA	58,379	303,984	402,363	47,456	129,227	176,683	579,046
R I	2,178	8,195	10,373	832	2,786	3,618	13,991
S C	78,868	489,385	568,253	56,100	196,394	252,494	820,747
S DAK	46,209	102,698	148,907	83,193	167,100	250,293	399,200
TENN	80,523	354,739	435,262	100,425	245,867	346,292	781,554
TEX	452,189	1,131,787	1,583,976	400,221	746,342	1,146,563	2,730,539
UTAH	4,877	6,449	11,326	46,924	57,744	104,668	115,994
VT	10,470	31,412	41,882	2,400	8,510	10,910	52,792
VA	102,885	475,409	578,294	80,552	142,028	222,580	800,874
WASH	44,628	118,040	162,668	259,493	444,125	703,618	866,286
W VA	6,908	20,672	27,580	11,359	21,795	33,154	60,734
WIS	133,523	327,938	461,461	352,069	573,053	925,122	1,386,583
WYO	7,167	4,866	12,033	26,381	38,537	64,918	76,953
P R	115,512	128,185	243,701	5,690	4,655	10,345	254,046
TOTAL	7,414,721	16,224,135	23,638,856	10,427,945	16,964,548	27,392,493	51,031,349

1/ EXCLUDES LIMING MATERIALS

2/ INCLUDES PRIMARY NUTRIENT MATERIALS (N, P, G, K, O) AND SECONDARY/MICRONUTRIENT MATERIALS FOR DIRECT APPLICATION

2 5 2

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1978, AND 1979

STATE	AMMONIA				AMMONIUM			
	ANHYDROUS		AQUA		NITRATE		SULPHATE	
	1978	1979	1978	1979	1978	1979	1978	1979
----- TONS -----								
ALA	19,099	16,270	0	2,188	187,772	177,249	2,934	1
ALAS	0	0	0	0	670	590	0	0
ARIZ	43,425	39,155	15,544	23,306	3,770	5,585	8,811	0,174
ARK	9,792	6,284	1	54	56,127	57,005	80	0
CALIF	173,780	147,581	257,740	255,843	74,361	84,482	278,180	223,704
CGLO	78,727	69,688	0	204	63,849	63,701	22,194	23,593
CONN	0	0	0	0	111	111	2	2
DEL	895	1,045	0	0	1,985	2,197	524	2,102
D C	0	0	0	0	75	100	0	0
FLA	7,885	8,222	178	0	58,965	74,402	7,428	7,165
GA	39,371	33,145	80	4	152,260	140,948	5,533	3,594
HAW	0	34,281	15,660	1,965	0	713	8,013	1,549
IAHAW	49,812	65,624	10,574	7,166	65,134	68,421	122,257	111,758
ILL	456,492	567,572	10,615	0	48,453	50,714	5,161	4,836
IND	236,485	226,416	1,332	2,065	1,278	1,894	14,775	12,889
IOWA	654,360	651,662	710	0	72,713	77,342	11,180	8,458
KANS	395,370	436,820	0	120	167,424	177,658	3,757	2,727
KY	42,905	34,013	137	0	106,679	126,617	871	1,093
LA	27,482	26,651	1,010	337	93,021	85,039	19,001	21,435
MAINE	0	0	0	0	1,123	1,573	0	14
MD	5,889	9,575	0	0	11,369	7,973	2,142	1,818
MASS	0	4	12	0	377	349	16	23
MICH	51,708	111,475	1,109	1,775	20,035	25,000	9,679	7,088
MINN	519,918	413,258	3,269	3,715	49,205	21,459	5,982	7,186
MISS	59,274	42,766	0	0	159,027	152,276	0	0
MO	85,403	105,273	25	0	84,068	96,842	0	21
MONT	2,607	6,576	47	0	57,519	66,088	3,969	5,469
NEBK	608,219	610,715	3,807	2,910	112,161	104,304	10,482	8,742
NEV	524	885	0	0	774	1,005	3,964	3,847
N H	0	0	0	0	466	283	17	174
N J	156	164	5	9	2,575	3,004	25	303
N MEX	20,857	15,475	9	51	2,091	1,726	2,976	4,144
N Y	8,481	11,838	0	0	8,261	13,448	2,364	980
N C	13,173	14,723	86	136	54,805	54,949	1,262	1,959
N DAK	189,128	224,475	0	0	26,712	22,164	1,271	2,227
OHIO	125,537	149,959	304	25	14,575	13,828	15,783	14,343
OKLA	157,478	200,387	0	0	120,545	138,826	3,507	3,634
OREG	18,053	21,771	21,398	24,568	22,182	20,482	76,332	66,049
PA	3,867	3,574	44	36	4,425	3,394	3,016	5,711
R I	0	0	0	0	14	34	0	0
S C	3,629	3,502	223	157	28,911	29,029	1,605	1,481
S DAK	32,102	40,451	1,409	1,879	57,920	50,241	1,096	1,058
TENN	14,383	11,104	0	0	94,486	92,931	0	0
TEX	528,743	317,287	911	7,682	233,965	239,793	121,071	112,838
UTAH	3,680	5,430	0	0	34,748	34,101	22,050	28,253
VT	0	0	0	0	47	329	32	0
VA	61	120	21	0	13,597	12,820	1,328	911
WASH	68,606	63,445	108,110	140,135	57,326	45,261	36,020	34,237
W VA	0	0	0	0	4,672	4,704	0	0
WIS	92,547	92,113	2,678	4,667	28,206	26,883	5,427	6,004
WYO	9,074	11,404	0	0	26,880	31,394	411	305
P R	158	150	2,731	7,000	0	0	2,540	2,731
TOTAL	4,535,179	4,882,738	500,283	488,397	2,487,714	2,511,261	845,068	754,634

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1978, AND 1979--CONTINUED

STATE	NITROGEN SOLUTIONS		SODIUM NITRATE		UREA		AMMONIUM NITRATE-LIMESTONE	
	1978	1979	1978	1979	1978	1979	1978	1979
--- TONS ---								
ALA	67,080	64,935	1,136	1,329	4,430	3,268	200	277
ALAS	0	0	0	0	510	900	0	0
ARIZ	75,740	80,938	0	0	34,022	29,128	3,155	6,326
ARK	20,748	23,088	6	1,458	142,643	163,623	0	9
CALIF	366,411	364,968	0	2,728	72,585	64,938	1,755	1,863
COLO	76,093	93,215	2	0	11,177	9,361	19	0
CONN	96	0	43	43	3,662	3,662	0	0
DEL	22,237	24,278	33	35	2,499	1,936	0	0
D C	60	100	0	0	90	131	0	0
FLA	77,087	72,322	1,850	1,441	6,694	5,487	6,942	870
GA	399,371	407,765	5,235	4,548	1,147	1,540	837	78
HAW	0	10,736	0	24	9,670	20,757	0	0
IDAHO	59,267	60,938	0	0	26,018	39,636	0	0
ILL	518,899	652,914	1	0	129,380	133,024	0	0
IND	508,802	457,411	0	0	31,737	26,753	106	6
IOWA	453,040	546,566	0	0	176,363	242,210	0	3
KANS	286,367	294,700	0	0	70,625	75,600	0	0
KY	82,132	47,506	1,346	1,023	36,924	37,691	0	12
LA	17,880	16,058	552	469	23,625	20,962	0	0
MAINE	0	0	12	0	2,845	2,774	0	0
MD	49,806	64,562	517	1,024	10,580	14,167	0	0
MASS	512	484	22	64	2,447	2,842	0	0
MICH	95,200	109,694	42	777	73,970	77,699	0	0
MINN	119,959	168,516	0	0	175,727	225,490	0	16
MISS	41,820	41,962	2,727	5,420	46,342	45,176	0	0
MO	85,898	98,721	290	182	42,918	46,546	3	159
MONT	5,121	6,846	0	0	14,741	34,455	0	250
NEBR	405,566	457,976	0	0	51,501	54,520	0	0
NEV	7,716	1,904	0	0	185	516	29	6
N H	0	0	2	2	992	1,304	0	0
N J	3,771	4,945	448	754	5,836	5,541	20	13
N MEX	15,213	15,675	0	0	6,909	5,019	7	0
N Y	41,333	46,850	776	15,518	21,519	9,560	158	62
N C	326,178	342,717	32,295	34,445	2,048	1,940	0	136
N DAK	45,669	66,475	0	0	68,735	78,659	0	0
OHIO	271,976	306,227	169	157	133,542	139,912	0	3
OKLA	54,845	68,124	82	152	46,363	60,058	0	0
OREG	54,635	58,656	0	0	62,179	72,277	0	0
PA	34,157	51,608	59	63	55,875	41,439	0	8
R I	4	0	1	12	573	680	0	0
S C	174,673	158,587	8,367	7,193	1,622	968	0	0
S DAK	45,822	59,049	0	0	42,012	50,481	23	243
TENN	39,067	33,494	1,112	1,355	40,705	27,633	0	0
TEX	181,966	219,772	0	0	79,510	66,406	0	0
UTAH	1,380	2,337	184	0	6,880	5,158	420	0
VT	457	1,538	0	0	2,736	2,650	0	0
VA	133,907	137,187	3,211	3,567	4,475	4,091	78	37
WASH	116,156	117,962	0	0	57,386	69,001	0	0
W VA	126	25	126	163	4,384	3,124	0	0
WIS	120,042	125,400	0	0	81,867	85,728	0	0
WYO	6,602	12,385	52	0	2,224	1,612	0	0
P R	0	0	0	0	663	37	0	0
TOTAL	5,510,895	5,998,830	60,698	83,946	1,934,092	2,118,070	13,752	10,377

TABLE 6 -- DIRECT APPLICATION NITROGEN, AND SECONDARY AND MICRONUTRIENT MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1978, AND 1979

STATE	NITROGEN MATERIALS		SECONDARY AND MICRONUTRIENT			
	OTHER		GYPSUM		OTHER	
	1978	1979	1978	1979	1978	1979
-- TONS --						
ALA	836	533	1	195	15,739	19,525
ALAS	0	0	0	0	0	0
ARIZ	3,245	1,619	9,353	8,623	11,271	7,714
ARK	8,027	5,180	0	0	1,301	2,585
CALIF	28,511	65,919	1,169,714	1,237,212	146,231	152,867
COLO	1,136	506	613	1,947	12,584	7,097
CONN	1,512	1,361	80	80	37	351
DEL	88	55	0	0	165	236
D C	65	25	0	0	205	50
FLA	5,152	6,674	25,239	25,984	26,450	30,260
GA	4,239	2,679	164,119	199,899	1,533	5,994
HAW	183	53	0	0	2,248	2,456
IDAHO	49,519	27,823	2,367	3,472	25,092	17,357
ILL	54,226	23,793	0	1	194	250
IND	106,564	51,330	47	12	277	679
IOWA	1,648	7,136	3,193	1,306	16,753	53,754
KANS	6,598	1,411	312	0	31,212	31,015
KY	3,437	4,468	0	0	1,649	2,424
LA	188	717	202	0	6	0
MAINE	0	4	0	0	135	3
MD	436	578	0	0	192	293
MASS	163	303	42	45	20	179
MICH	4,745	8,237	0	0	5,282	12,443
MINN	1,476	1,338	3,016	4,060	11,277	10,677
MISS	1	0	0	185	566	52
MO	1,363	994	0	130	82	246
MONT	0	0	6,791	3,227	495	3,911
NEBR	16,710	1,610	57	231	15,885	37,363
NEV	40	5,827	1,780	703	611	929
N H	130	124	44	0	13	19
N J	1,238	1,293	1,255	870	2,759	1,086
N MEX	2,858	2,960	0	0	2,143	2,598
N Y	1,552	44,718	0	0	1,005	1,107
N C	19,131	18,697	52,210	71,612	1,916	17,359
N DAK	0	0	22	10	2,621	3,120
OHIO	6,729	5,175	138	479	2,646	4,861
OKLA	1,985	48	500	0	120	25
OREG	31,747	39,147	9,921	8,004	7,419	5,792
PA	3,278	513	0	0	374	302
R I	3	0	0	0	0	0
S C	6,252	5,549	5,398	3,927	601	1,381
S DAK	531	1,702	0	0	4,615	4,875
TENN	2,273	2,658	52	30	1,149	1,091
TEX	8,667	15,655	0	0	244	19
UTAH	6,716	5,264	181	2	227	82
VT	1,704	1,826	0	0	55	0
VA	8,977	6,473	19,740	24,839	1,158	3,016
WASH	64,264	72,123	9,283	8,615	17,359	18,080
W VA	5,804	7,068	0	0	28	34
WIS	533	3,006	899	933	15,515	7,137
WYO	553	625	13	0	600	296
P R	0	3	0	0	0	0
TOTAL	475,135	499,604	1,486,582	1,606,633	390,059	472,990

TABLE 7 -- DIRECT APPLICATION PHOSPHATE MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1978, AND 1979

STATE	PHOSPHATE ROCK 1/		SUPERPHOSPHATES				AMMONIUM PHOSPHATES 2/		OTHER PHOSPHATES	
			22 PERCENT & UNDER		OVER 22 PERCENT					
	1978	1979	1978	1979	1978	1979	1978	1979	1978	1979
----- TONS -----										
ALA	0	0	6,279	4,829	300	9,970	173	54	44,320	23,130
ALAS	0	0	0	0	45	0	0	55	0	0
ARIZ	0	0	293	484	2,962	2,396	38,356	36,655	1,444	5,799
ARK	88	0	253	222	6,987	7,601	880	1,273	3	2
CALIF	5,760	6,731	36,333	28,502	33,862	32,393	227,888	181,771	12,552	16,894
COLO	52	75	11	10	6,252	9,756	10,017	7,545	1,821	247
CONN	4	4	94	94	437	427	1,697	1,697	2,580	2,469
DEL	0	0	18	0	2,345	2,541	0	0	31	33
D C	0	0	0	1	0	9	0	0	25	0
FLA	2,163	1,531	7,795	10,557	139	1	2,262	2,090	11,311	9,791
GA	0	0	2,582	4,649	5,745	6,291	13,001	28,839	22,005	22,427
HAW	1,358	1,041	201	0	5,916	5,416	210	1,024	4,770	6,657
IDAHO	0	0	0	111	22,023	21,317	40,257	25,193	9,452	4,705
ILL	0	0	769	1,043	211,029	252,379	689	475	164	9,000
IND	77	751	688	41	78,008	76,814	0	0	33	0
IOWA	11,102	2,049	4,062	1,561	136,218	158,932	1,100	1,402	2,419	444
KANS	0	0	1,483	1,629	18,269	26,100	4,953	5,071	832	295
KY	135	0	1,403	175	49,480	58,051	59	2	27	34
LA	0	0	221	147	2,869	1,623	341	165	2,385	2,909
MAINE	0	0	0	71	208	142	1,206	0	26	37
MD	0	0	156	137	11,051	10,676	0	0	38	0
MASS	1	14	176	150	337	387	6	0	97	181
MICH	47	332	125	341	22,469	21,021	73	193	138	101
MINN	806	1,210	32	15	74,211	93,366	3,698	20,664	3,845	6,163
MISS	0	0	1,139	1,347	15,163	6,224	0	12	19,338	20,749
MO	1	1	6	23	1,569	3,636	41	23	1,285	45
MONT	0	0	0	0	10,083	7,977	21,777	16,626	291	824
NEBR	0	0	920	2,942	40,942	46,835	11,774	10,740	1	0
NEV	0	0	11	168	613	555	4,527	3,353	9	15
N H	5	29	83	0	501	257	109	21	34	65
N J	3	0	46	45	926	1,481	416	64	530	287
N MEX	0	0	525	20	12,198	15,963	5,724	7,342	0	14
N Y	560	393	517	1,836	6,683	9,625	27	0	557	24,640
N C	50	0	9,267	11,911	5,767	7,729	0	100	1,433	6,230
N DAK	0	0	0	0	15,907	19,614	1,949	4,029	1,847	598
OHIO	765	1,023	1,210	891	82,180	100,328	14	10	279	461
OKLA	0	194	481	595	16,277	27,658	7,791	6,079	8,277	3,095
OREG	59	64	4,608	5,858	3,831	3,539	76,083	65,269	3,577	2,535
PA	937	1,657	350	360	12,612	9,394	17,358	13,928	263	1,718
R I	0	0	1	6	35	52	228	894	2	48
S C	199	0	374	586	2,878	2,788	2,287	1,733	5,701	7,286
S DAK	178	23	433	68	13,880	14,859	249	507	3,567	4,391
TENN	0	0	349	0	34,404	43,106	0	0	4	0
TEX	0	0	4,433	1,121	12,981	12,320	100,153	80,256	1,281	33,965
UTAH	502	0	1,624	1,351	23,441	17,681	3,652	4,200	1,718	80
VT	0	0	0	0	498	1,366	0	0	1	0
VA	5	51	1,603	349	3,708	4,271	1,516	3,805	143	241
WASH	28	13	667	1,032	8,565	8,692	52,584	42,955	2,490	1,758
W VA	0	0	0	0	5,082	4,753	0	0	5	5,450
WIS	420	256	14,922	2,293	61,724	61,063	136	33	4,748	21,874
WYD	0	0	0	0	3,111	3,746	2,481	427	812	1,514
P R	0	0	0	0	0	2	0	200	0	0
TOTAL	25,313	17,442	106,583	87,579	1,086,741	1,232,923	657,742	576,774	178,511	249,201

1/ INCLUDES COLLOIDAL PHOSPHATE. 2/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

TABLE 8 -- DIRECT APPLICATION POTASH AND NATURAL ORGANIC MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1978, AND 1979

STATE	POTASH MATERIALS				NATURAL ORGANICS	
	CHLORIDE 50-62 PERCENT GRADES		OTHER		1978	1979
	1978	1979	1978	1979		
	----- TONS -----					
ALA	19,462	18,820	6,249	11,705	3,736	4,697
ALAS	10	100	10	10	0	0
ARIZ	1,719	381	50	0	650	650
ARK	25,487	22,305	456	1,359	1,294	2,154
CALIF	19,190	16,281	34,120	7,453	149,156	121,554
COLO	10,434	11,530	4,846	5,028	1,858	3,267
CONN	2,507	2,507	59	64	8,265	8,263
DEL	12,494	12,936	2	27	480	593
D C	0	89	20	35	460	1,377
FLA	24,290	20,893	52,939	60,255	25,573	26,331
GA	22,150	23,482	28,837	28,065	8,238	8,369
HAW	4,869	18,223	6,853	1,361	2	0
IDAHO	6,769	9,405	21,018	5,219	0	0
ILL	896,150	1,058,392	1,879	2,691	4,552	4,906
IND	366,311	423,809	31,971	33,608	63	0
IOWA	590,613	891,075	1,647	1,054	2,831	801
KANS	54,613	64,006	0	0	1,025	800
KY	128,703	144,163	17,982	19,412	2,681	410
LA	6,737	7,538	19,017	26,867	3,773	4,194
MAINE	1,722	2,016	320	134	1,859	2,020
MD	25,240	33,549	901	1,324	877	4,379
MASS	2,497	2,455	171	300	8,136	3,837
MICH	204,685	227,124	4,255	5,156	14,709	14,624
MINN	501,603	648,755	4,143	5,052	1,844	2,473
MISS	20,417	19,692	0	4	385	330
MO	16,293	29,718	2,725	3,703	7,116	2,202
MONT	7,188	0	0	15,020	0	0
NEBR	62,092	65,849	74,404	72,192	1,352	800
NEV	12	2	35	69	2,067	1,503
N H	1,391	1,581	22	31	1,066	1,716
N J	6,025	5,278	289	612	6,584	10,508
N MEX	520	671	3,277	4,651	3,002	2,439
N Y	26,941	12,659	5,282	6,495	13,013	8,161
N C	13,011	19,197	18,409	18,900	20,011	4,765
N DAK	20,272	24,311	0	0	857	1,009
OHIO	335,598	430,408	3,575	4,327	13,251	11,852
OKLA	25,576	35,543	1,721	4,561	6,595	6,491
OREG	33,293	26,620	6,714	6,735	1,039	1,349
PA	35,019	29,041	809	2,061	9,325	11,476
R I	270	391	0	0	3,161	1,501
S C	14,663	14,596	9,636	10,114	1,916	3,217
S DAK	18,958	20,279	70	189	119	198
TENN	114,718	127,696	4,471	3,660	928	1,334
TEX	8,614	7,574	9,148	11,005	34,030	20,866
UTAH	3,425	729	80	0	525	0
VT	2,609	3,201	0	0	1,560	0
VA	13,868	14,449	1,666	2,565	1,853	3,788
WASH	40,304	34,567	7,150	8,448	17,205	16,890
W VA	5,704	6,600	242	71	1,005	1,162
WIS	522,870	467,583	12,792	9,801	13,614	10,348
WYO	2,590	545	126	240	25	21
P R	0	2	440	220	87	0
TOTAL	4,284,496	5,059,416	400,828	401,853	403,753	339,625

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1978 AND 1979 1/--CONTINUED

YEARS ENDED JUNE 30, 1978 AND 1979 1/2--CONTINUED									
STATE	MIXTURES AND DIRECT APPLICATION MATERIALS								1979 AS PERCENT OF 1978 PERCENT
	N		AVAILABLE P O		K O		TOTAL		
			2 5		2				
	1978	1979	1978	1979	1978	1979	1978	1979	
NUTRIENT TONS									
ALA	161,706	151,536	108,567	112,743	127,476	137,743	398,149	402,422	101
ALAS	1,019	1,062	872	747	623	462	2,514	2,271	90
ARIZ	93,804	92,595	29,604	35,335	1,801	3,621	125,209	131,951	105
ARK	135,042	141,154	66,077	69,119	86,118	85,419	287,237	295,691	103
CALIF	544,715	484,063	203,530	166,823	73,631	58,245	821,880	709,130	86
COLO	136,804	125,991	46,802	32,072	9,440	10,942	193,046	169,006	88
CONN	7,780	7,556	5,311	5,284	5,134	5,136	18,226	17,976	99
DEL	16,494	17,655	12,784	13,602	19,196	20,637	48,475	51,894	107
D C	851	1,948	501	751	395	741	1,748	3,441	197
FLA	231,905	258,843	110,951	127,473	256,432	288,535	599,288	674,851	113
GA	286,754	280,606	153,337	160,462	235,804	248,505	676,016	689,573	102
HAW	28,785	57,289	29,952	25,789	23,324	28,224	82,062	111,302	136
IDAH0	160,999	173,989	64,738	56,267	15,077	14,940	240,814	245,196	102
ILL	792,588	906,122	454,888	536,952	662,261	785,320	1,909,737	2,228,394	117
IND	504,245	481,557	224,000	329,509	468,423	535,666	1,296,667	1,346,732	104
IOWA	921,084	1,003,638	423,895	496,700	458,847	641,864	1,803,826	2,142,203	119
KANS	551,458	603,892	158,404	194,503	43,351	50,081	753,213	848,477	113
KY	167,095	157,341	132,950	140,810	158,032	166,930	458,082	465,081	102
LA	115,996	108,230	71,279	66,379	79,431	80,705	266,706	255,314	96
MAINE	13,346	13,571	15,003	14,713	15,673	15,120	44,022	43,403	99
MD	58,111	66,522	50,337	54,639	61,059	67,413	169,507	188,574	111
MASS	11,501	10,275	7,644	6,220	8,552	7,530	27,697	24,025	87
MICH	216,222	239,842	168,474	173,699	233,884	249,769	618,579	663,310	107
MINN	491,719	612,371	274,678	331,842	358,038	439,291	1,124,435	1,383,505	123
MISS	168,470	150,784	77,609	73,941	92,010	94,931	338,088	319,656	95
MO	308,592	360,095	167,802	209,614	218,608	286,046	695,002	855,755	123
MONT	53,982	76,382	59,816	78,997	5,298	10,292	119,097	165,671	139
NEBR	733,774	752,313	160,434	176,145	63,811	68,789	958,019	997,246	104
NEV	5,423	5,662	1,818	2,084	242	191	7,483	7,937	106
N H	3,139	3,436	2,580	2,548	3,278	3,563	8,997	9,547	106
N J	23,225	25,025	17,505	18,848	20,987	22,011	61,718	65,884	107
N MEX	32,263	28,421	16,849	21,357	2,352	2,656	51,465	52,435	102
N Y	84,420	98,300	76,821	90,120	83,947	72,407	245,189	260,827	106
N C	222,283	235,170	150,037	158,643	216,532	225,966	588,852	619,778	105
N DAK	293,062	290,161	120,326	113,636	19,285	23,574	392,673	427,371	109
OHIO	347,186	392,344	268,700	308,833	350,859	415,913	966,745	1,117,090	116
GKLA	243,522	303,610	85,839	112,720	32,144	40,646	361,505	456,976	126
OREG	122,739	132,996	42,123	47,642	26,787	24,064	191,648	204,702	107
PA	98,158	80,938	91,684	76,123	90,616	74,653	280,458	231,714	83
R I	1,482	1,657	1,336	1,588	1,107	1,267	3,924	4,513	115
S C	97,376	90,095	66,766	64,905	115,994	119,692	280,136	274,692	98
S DAK	104,551	116,079	60,797	60,837	15,427	17,209	180,775	194,126	107
TENN	119,551	109,421	111,674	120,636	134,246	135,475	365,471	365,533	100
TEX	685,366	732,794	250,847	289,603	95,244	116,251	1,031,457	1,138,648	110
UTAH	27,744	29,242	14,801	13,109	2,559	866	45,103	43,218	96
VT	6,180	7,273	5,517	6,813	6,469	7,729	18,166	21,814	120
VA	98,675	98,393	72,538	74,207	90,081	95,463	261,293	268,062	103
WASH	211,019	238,147	60,712	67,432	32,875	33,104	304,605	338,683	111
W VA	8,961	7,674	7,889	8,454	8,747	7,700	25,597	23,827	93
WIS	213,979	216,387	170,269	171,511	380,974	343,999	765,222	731,897	96
WYO	23,874	26,872	11,668	7,435	1,526	682	37,068	34,989	94
P R	15,554	34,872	6,407	13,529	12,098	28,119	34,058	76,520	225
TOTAL	9,964,619	10,642,991	5,096,143	5,543,744	5,526,183	6,216,097	20,586,946	22,402,832	109

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1978 AND 1979 1/

STATE	MIXTURES								1979 AS PERCENT OF 1978 PERCENT
	N		AVAILABLE P O		K O		TOTAL		
	1978	1979	1978	1979	1978	1979	1978	1979	
	NUTRIENT TONS								
ALA	57,850	57,695	102,197	105,028	114,475	123,370	274,521	286,092	104
ALAS	562	449	848	721	612	396	2,022	1,566	77
ARIZ	6,659	7,676	16,550	19,723	750	3,390	23,959	30,988	129
ARK	33,257	32,412	62,694	65,354	70,632	71,657	166,583	169,423	102
CALIF	83,657	66,891	107,418	81,110	48,749	42,485	239,824	190,487	79
COLO	17,303	12,298	38,949	24,565	1,481	2,197	57,732	39,061	68
CONN	5,014	5,017	3,198	3,220	3,449	3,448	11,662	11,685	100
DEL	7,133	7,422	11,686	12,415	11,560	12,722	30,378	32,559	107
D C	725	1,786	481	719	386	654	1,592	3,160	198
FLA	167,597	191,127	104,280	121,049	231,016	264,067	502,892	576,242	115
GA	76,279	75,666	141,580	142,027	216,333	227,626	434,192	445,321	103
HAW	19,423	15,495	26,677	22,159	18,972	16,584	65,072	54,239	83
IDAH	17,380	24,197	39,260	38,111	848	6,698	57,489	69,006	120
ILL	145,314	169,533	359,049	417,935	123,118	148,650	627,480	736,118	117
IND	101,115	100,726	288,441	294,497	239,088	271,298	628,644	666,521	106
IOWA	146,605	172,565	358,243	425,766	97,842	102,568	602,690	700,899	116
KANS	55,078	66,841	148,312	181,089	10,576	11,674	213,966	259,604	121
KY	52,739	54,605	110,142	114,413	72,229	71,118	235,110	240,136	102
LA	41,344	38,157	69,204	64,506	73,157	73,347	183,705	176,010	96
MAINE	11,455	11,727	14,397	14,584	14,530	13,831	40,382	40,142	99
MO	28,967	28,947	45,323	49,757	42,829	46,270	117,119	124,974	107
MASS	9,818	8,459	7,246	5,857	6,768	5,907	23,833	20,224	85
MICH	70,118	69,581	157,638	163,436	109,041	111,210	336,798	344,227	102
MINN	95,538	108,230	238,085	276,536	55,303	48,270	388,926	433,035	111
MISS	33,338	31,512	68,517	68,882	79,559	82,916	181,414	183,309	101
MO	165,247	190,835	166,436	207,932	207,963	267,326	539,646	666,093	123
MONT	20,050	27,475	49,526	70,794	986	1,325	70,561	99,594	141
NEBR	52,348	57,255	138,652	151,839	10,654	12,143	201,654	221,236	110
NEV	594	666	398	990	193	162	1,185	1,817	153
N H	2,466	2,639	2,259	2,366	2,419	2,546	7,143	7,550	106
N J	17,778	18,991	16,620	17,789	17,142	18,328	51,541	55,109	107
N MEX	4,440	5,422	9,951	12,563	1,153	1,023	15,584	19,008	122
N Y	50,071	45,200	73,177	68,617	66,027	62,921	189,275	176,738	93
N C	83,274	87,695	144,466	150,374	205,594	211,032	433,334	449,102	104
N DAK	44,312	43,144	111,434	103,266	7,087	8,957	162,833	155,367	95
OHIO	57,226	107,831	230,900	262,891	146,118	153,298	474,244	524,019	110
OKLA	33,757	43,662	71,981	56,585	16,329	18,228	122,067	158,475	130
OREG	12,430	17,383	19,750	27,492	4,768	5,617	36,948	50,493	137
PA	52,544	40,985	76,776	63,492	68,864	56,144	198,184	160,622	81
R I	1,097	1,107	1,137	1,038	878	1,011	3,111	3,157	101
S C	30,307	28,336	62,170	60,150	105,075	107,027	197,552	195,513	99
S DAK	25,884	25,242	51,858	50,913	4,010	4,971	81,752	81,127	99
TENN	44,495	46,508	95,753	100,776	62,122	55,807	202,370	203,091	100
TEX	200,744	242,730	221,765	260,831	86,596	107,770	509,105	611,331	120
UTAH	2,245	2,199	2,086	1,903	446	421	4,777	4,523	95
VT	4,187	4,865	5,262	6,185	4,856	5,808	14,305	16,858	118
VA	48,388	48,053	69,689	70,188	81,227	86,073	199,304	204,315	103
WASH	20,475	24,490	41,682	52,902	4,838	7,986	66,994	85,379	127
W VA	3,313	2,503	5,609	3,819	5,237	3,700	14,159	10,022	71
WIS	55,275	54,081	139,472	133,460	62,727	60,013	253,474	247,554	98
WYO	3,760	2,015	9,235	4,784	71	37	13,065	6,836	52
P R	14,024	32,680	6,402	13,423	11,890	28,013	32,317	74,116	229
TOTAL	2,374,999	2,563,209	4,340,900	4,710,820	2,828,573	3,050,041	9,544,471	10,324,071	108

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 10 -- NITROGEN CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,
YEAR ENDED JUNE 30, 1979

STATE	AMMONIA		AMMONIUM		NITROGEN SOLUTIONS	SODIUM NITRATE	UREA	AMMONIUM NITRATE- LIMESTONE	PHOSPHATE MATERIALS	NATURAL ORGANICS	OTHER NITROGEN MATERIALS
	ANHYDROUS	AQUA	NITRATE	SULFATE							
					NUTRIENT TONS						
ALA	13,341	470	59,378	0	18,182	213	1,487	57	10	78	1,024
ALAS	0	0	158	0	0	0	410	0	6	0	0
ARIZ	32,107	4,661	1,871	1,717	24,874	0	13,253	1,075	5,264	35	262
ARK	5,153	11	19,097	0	7,358	233	74,448	2	202	56	2,182
CALIF	121,016	51,169	28,301	46,978	92,429	436	29,871	317	29,471	2,369	14,814
COLO	57,144	42	21,340	4,837	24,935	0	4,259	0	850	66	221
CONN	0	0	37	0	0	7	1,685	0	187	223	401
DEL	857	0	736	439	7,291	6	881	0	1	14	9
D C	0	0	34	0	28	0	60	0	0	28	13
FLA	6,743	0	24,925	1,469	21,697	231	2,497	159	812	1,072	8,113
GA	27,179	1	47,218	755	122,061	728	704	16	4,390	212	1,673
HAW	28,110	413	239	325	3,006	4	9,548	0	128	0	21
IDAH	53,812	1,469	22,921	23,469	19,401	0	18,233	0	3,949	0	6,538
ILL	465,410	0	16,989	1,016	186,875	0	60,526	0	1,106	248	4,420
IND	193,861	423	634	2,707	129,110	0	12,173	2	0	0	41,920
IOWA	534,363	0	25,510	1,739	156,992	0	110,152	1	340	43	1,535
KANS	358,192	25	59,515	559	83,323	0	34,398	0	825	43	170
KY	27,891	0	42,417	230	13,514	164	17,305	2	0	17	1,197
LA	21,854	62	28,488	4,501	5,138	75	9,528	0	26	109	292
MAINE	0	0	527	3	0	0	1,262	0	1	50	1
MD	8,183	0	2,671	373	19,373	164	6,446	0	0	101	266
MASS	3	0	117	5	150	10	1,304	0	4	125	98
MICH	91,410	364	8,375	1,453	30,764	124	35,742	0	40	504	1,487
MINN	338,872	753	7,189	1,509	47,627	0	103,722	3	4,149	144	173
MISS	35,068	0	51,012	0	11,749	867	20,555	0	2	18	1
MO	86,324	0	32,442	4	28,629	29	21,411	36	4	119	262
MONT	5,392	0	22,139	1,148	1,720	0	15,677	53	2,778	0	0
NEBR	500,786	582	34,942	1,836	129,504	0	25,077	0	1,715	43	573
NEV	726	0	337	808	593	0	237	1	518	34	1,742
N H	0	0	95	36	0	0	593	0	6	47	21
N J	134	2	1,006	62	1,484	121	2,521	3	30	306	364
N MEX	12,690	12	578	850	5,017	0	2,259	0	1,160	56	378
N Y	9,707	0	4,505	204	14,839	2,483	4,333	11	19	314	16,686
N C	12,073	28	18,408	411	102,839	5,511	891	28	41	159	7,085
N DAK	184,070	0	7,425	468	18,655	0	35,790	0	587	23	0
OHIO	122,966	5	4,632	3,012	85,926	25	63,773	1	6	345	3,822
OKLA	164,317	0	46,507	763	19,282	24	27,326	0	1,308	407	12
OREG	17,852	4,694	6,861	13,870	17,366	0	33,245	0	9,920	33	11,472
PA	2,931	7	1,137	1,174	13,417	10	18,870	1	1,742	475	188
R I	0	0	11	0	0	2	309	0	189	39	0
S C	2,872	32	9,725	304	44,890	1,151	440	0	917	81	1,348
S DAK	33,170	385	16,831	222	16,744	0	22,969	51	58	2	406
TENN	9,105	0	21,132	0	9,378	217	12,573	0	0	65	443
TEX	260,175	1,557	80,331	23,696	68,555	0	30,438	0	18,829	545	5,938
UTAH	4,453	0	11,424	5,792	726	0	2,347	0	583	0	1,719
VT	0	0	110	0	492	0	1,219	0	0	0	586
VA	98	0	4,295	187	41,147	571	1,841	8	430	97	1,666
WASH	68,428	28,728	15,162	7,019	37,171	0	31,395	0	6,776	415	18,563
W VA	0	0	1,576	0	7	26	1,422	0	0	23	2,117
WIS	75,533	933	9,006	1,261	35,694	0	38,875	0	6	439	559
WYO	9,251	0	10,517	65	3,910	0	742	0	187	0	85
P R	123	1,435	0	574	0	0	17	0	42	0	1
TOTAL	4,003,845	98,563	841,272	157,846	1,723,860	13,431	967,040	1,825	99,610	9,625	162,864

TABLE 11 -- AVAILABLE P₂O₅ CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,
2 5
YEAR ENDED JUNE 30, 1979

STATE	AMMONIUM PHOSPHATES 1/	PHOSPHORIC SOLUTIONS	PHOSPHATE ROCK 2/	SUPERPHOSPHATES		NATURAL ORGANICS	OTHER PHOSPHATE MATERIALS
				22% & UNDER	OVER 22%		
----- NUTRIENT TONS -----							
ALA	16	0	0	966	4,580	93	2,060
ALAS	26	0	0	0	0	0	0
ARIZ	10,697	3,666	0	97	1,126	31	1
ARK	268	0	0	44	3,411	41	1
CALIF	53,501	3,079	202	5,677	15,119	1,874	6,261
CCLO	3,520	0	2	2	3,902	50	30
CONN	815	0	0	19	171	198	862
DEL	0	0	0	0	1,169	9	9
D C	0	0	0	0	4	28	0
FLA	1,088	0	45	2,111	1	907	2,272
GA	12,490	1	0	929	2,866	151	1,997
HAW	496	55	31	0	2,448	0	597
IDAHO	5,497	0	0	23	9,593	0	3,044
ILL	224	0	0	191	113,772	222	4,608
IND	0	0	23	8	34,981	0	0
IOWA	709	0	46	293	69,609	38	228
KANS	1,146	0	0	326	11,745	38	159
KY	1	0	0	35	26,342	15	4
LA	33	749	0	28	747	80	236
MAINE	0	0	0	14	64	40	10
MD	0	0	0	27	4,785	70	0
MASS	0	0	0	30	177	105	51
MICH	84	2	10	68	9,645	429	26
MINN	9,436	4,355	24	3	41,378	110	0
MISS	2	0	0	269	2,925	15	1,847
MO	5	4	0	5	1,562	106	1
MONT	4,164	489	0	0	3,550	0	1
NEBR	2,168	0	0	588	21,512	38	0
NEV	773	1	0	34	250	35	1
N H	11	0	1	2	118	34	17
N J	31	0	0	9	671	258	90
N MEX	1,501	0	0	4	7,183	39	0
N Y	0	17,203	8	344	3,409	262	278
N C	48	0	0	2,382	3,507	113	2,219
N DAK	1,139	419	0	0	8,796	16	0
OHIO	5	55	22	178	45,338	253	90
OKLA	1,437	0	11	119	12,723	175	1,671
OREG	16,046	1,424	2	1,054	1,593	12	19
PA	6,683	0	41	72	4,496	368	971
R I	474	0	0	1	24	38	13
S C	918	0	0	129	1,115	61	2,531
S DAK	233	3,111	0	13	6,565	2	0
TENN	0	0	0	0	19,029	32	0
TEX	17,070	753	0	224	5,641	401	4,682
UTAH	1,340	55	0	297	9,515	0	1
VT	0	0	0	0	628	0	0
VA	1,814	0	1	70	1,965	63	58
WASH	5,166	510	0	199	3,917	295	41
W VA	0	0	0	0	2,142	7	2,485
WIS	7	79	7	423	27,564	396	9,574
WYD	65	349	0	0	1,698	0	519
P R	106	0	0	0	1	0	0
TOTAL	165,335	36,767	477	17,309	555,873	7,550	49,614

1/ TOTAL OF 11-46-0, 13-39-0, 16-20-0, 21-53-0, AND 27-14-0. 2/ INCLUDES COLLOIDAL PHOSPHATE.

TABLE 12 -- K₂O CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,
2

YEAR ENDED JUNE 30, 1979

STATE	POTASSIUM CHLORIDE	POTASSIUM MAGNESIUM SULFATE	POTASSIUM NITRATE	POTASSIUM- SODIUM NITRATE	POTASSIUM SULFATE	NATURAL ORGANICS	OTHER POTASSIUM MATERIALS
----- NUTRIENT TONS -----							
ALA	11,292	512	7	803	0	38	1,721
ALAS	61	0	0	0	5	0	0
ARIZ	229	0	0	0	0	3	0
ARK	13,383	229	0	29	59	61	0
CALIF	9,812	83	416	0	2,284	2,912	252
COLO	7,033	680	6	0	765	88	174
CONN	1,529	0	17	0	0	127	14
DEL	7,891	6	0	0	0	18	0
D C	54	0	0	3	8	23	0
FLA	12,536	2,363	1,610	6,062	253	394	1,280
GA	14,176	3,945	134	891	113	238	1,382
HAW	11,022	43	42	0	527	0	6
IDAHO	5,737	0	0	0	2,504	0	2
ILL	635,994	441	0	0	0	24	211
IND	254,285	0	0	0	0	0	10,082
IOWA	538,979	26	0	0	0	3	289
KANS	38,404	0	0	0	0	3	0
KY	86,946	525	53	66	8,191	6	24
LA	4,534	3	0	12	16	119	2,674
MAINE	1,210	25	0	0	0	50	0
MD	20,465	0	36	37	471	135	0
MASS	1,474	50	29	0	0	67	3
MICH	136,583	636	2	1	950	223	164
MINN	389,755	880	7	0	100	31	248
MISS	12,012	0	0	1	0	2	0
MO	17,894	57	6	32	22	9	700
MONT	0	0	0	0	0	0	8,967
NEBR	39,720	4,253	0	0	72	3	12,596
NEV	1	0	0	0	1	18	9
N H	962	5	4	0	0	47	0
N J	3,220	55	5	9	16	295	80
N MEX	409	925	0	0	224	76	0
N Y	7,722	432	16	422	306	135	452
N C	11,572	206	201	2,251	208	131	264
N DAK	14,587	0	0	0	0	31	0
OHIO	260,510	271	32	15	218	301	1,268
OKLA	21,320	1,003	0	0	0	94	0
OREG	15,972	767	32	0	754	16	506
PA	17,713	156	2	4	20	156	459
R I	238	0	0	0	0	18	0
S C	8,904	528	54	300	100	88	2,693
S DAK	12,195	42	0	0	0	1	0
TENN	77,895	0	0	0	1,754	18	2
TEX	4,544	1,826	0	50	0	590	1,470
UTAH	445	0	0	0	0	0	0
VT	1,921	0	0	0	0	0	0
VA	8,814	40	30	171	69	117	149
WASH	21,330	755	0	0	2,498	523	11
W VA	3,972	16	0	0	0	13	0
WIS	280,942	1,316	10	0	1,197	82	439
WYO	506	0	0	0	30	1	108
P R	1	4	0	0	100	0	0
TOTAL	3,048,703	23,112	2,751	11,159	23,833	7,329	49,170

TABLE 13 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE,
YEAR ENDED JUNE 30, 1978

STATE		RANK														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL TENS	12-13-13 186,298	8-24-24 83,958	8-8-8 99,342	5-15-30 37,555	5-10-15 36,679	4-12-12 29,061	3-9-18 21,133	0-24-24 5,517	0-20-20 4,466	4-12-24 10,857	10-10-10 10,695	15-10-10 9,958	3-10-20 9,171	6-18-18 8,142	10-34-0 6,033
ARIZ	ANAL TENS	10-34-0 16,701	18-46-0 11,920	18-14-0 3,637	11-54-0 2,128	26-14-0 610	15-8-4 408	10-30-5 326	0-20-20 324	33-20-0 323	23-37-0 309	5-12-30 276	12-24-12 266	0-18-36 257	16-6-8 257	0-15-20 242
ARK	ANAL TENS	13-13-13 55,051	10-20-10 23,859	5-15-30 23,695	12-24-12 20,414	0-24-24 18,713	0-24-24 17,587	0-17-34 15,767	10-20-20 12,400	8-24-24 12,400	0-15-30 11,573	12-12-12 11,145	0-18-36 10,864	8-24-24 8,083	20-10-10 7,536	4-12-24 6,894
CALIF	ANAL TENS	10-34-0 46,663	12-12-12 31,984	18-46-0 29,552	18-46-0 26,114	6-20-20 25,897	4-10-10 20,139	16-14-6 19,860	8-24-6 16,355	21-7-14 15,553	10-10-0 13,998	27-12-0 12,455	16-6-8 12,455	13-13-13 12,187	15-15-15 11,934	15-10-10 10,818
COLOR	ANAL TENS	18-46-0 65,826	13-11-4 2,652	10-34-0 2,578	20-10-5 2,578	22-3-3 1,764	11-55-0 1,464	7-21-7 1,312	21-3-3 1,167	20-20-10 1,114	0-23-10 1,002	16-20-6 969	22-4-4 859	12-50-0 831	25-3-7 602	8-20-6 538
CUNN	ANAL TENS	10-10-10 6,351	10-6-4 2,605	5-10-10 2,310	26-3-3 2,310	8-10-10 1,719	15-10-10 1,709	6-3-6 1,291	12-7-10 1,283	19-8-12 1,230	12-15-15 1,065	25-3-3 944	5-10-5 891	16-8-12 891	2-1-2 544	10-20-20 562
DEL	ANAL TENS	10-10-10 10,029	10-20-20 6,482	18-46-0 5,507	13-10-22 4,256	5-10-10 3,944	3-9-18 2,449	12-8-20 2,384	8-10-10 2,319	15-15-15 2,038	5-15-30 1,996	15-10-10 1,778	5-10-10 1,480	4-12-24 1,441	5-10-15 1,305	6-12-12 1,219
D C	ANAL TENS	10-10-10 1,125	10-6-4 980	5-10-5 875												
FLA	ANAL TENS	6-6-6 70,783	10-10-10 58,067	12-0-12 56,449	16-0-16 44,842	5-10-15 38,521	6-8-8 37,396	13-13-13 30,662	12-12-12 30,303	16-4-8 30,257	16-8-8 27,455	20-10-10 21,420	8-8-8 21,345	20-5-10 19,606	8-2-8 16,557	0-10-40 16,139
GA	ANAL TENS	5-10-15 410,303	3-9-18 112,650	4-12-24 83,943	0-10-20 70,359	5-5-54 55,574	10-10-10 37,241	7-14-21 34,970	3-9-9 22,210	13-13-13 17,964	6-12-18 17,596	8-16-24 15,791	10-20-30 15,691	3-10-20 14,805	6-12-12 14,383	3-9-24 12,662
IDAHO	ANAL TENS	18-46-0 60,300	10-33-0 7,185	27-13-0 6,474	11-55-0 6,474	16-10-16 4,664	22-22-0 4,664	10-34-0 1,251	10-32-0 740	18-18-10 185						
ILL	ANAL TENS	18-46-0 506,511	6-24-24 74,321	3-10-30 45,987	3-9-12 43,556	5-17-21 29,268	6-18-6 28,360	8-32-16 22,131	10-34-0 20,578	5-20-35 20,345	9-23-30 17,424	0-23-30 16,287	5-15-20 14,406	4-13-26 14,002	4-10-10 13,603	4-12-24 13,321
IND	ANAL TENS	6-24-24 178,973	0-24-24 130,172	18-46-0 123,762	10-34-0 107,703	4-12-36 99,319	4-12-24 94,305	3-9-9 75,016	7-13-13 63,547	13-13-13 42,942	4-10-10 41,800	10-5-10 38,551	0-15-40 37,137	5-18-21 33,793	20-5-10 31,403	0-9-27 28,741
IOWA	ANAL TENS	527,597	6-24-24 40,719	3-10-30 39,640	10-34-0 37,289	8-32-16 36,202	6-24-24 34,202	20-10-10 29,273	3-9-9 21,698	5-17-21 16,190	5-15-25 13,974	4-12-24 13,913	7-23-5 13,243	6-18-18 13,032	5-23-27 12,598	10-20-20 11,953
KANS	ANAL TENS	18-46-0 205,039	10-34-0 54,268	8-32-16 25,811	12-50-0 12,273	6-24-24 6,089	11-33-0 5,928	11-55-0 5,756	4-10-10 4,452	12-24-12 4,727	11-52-0 4,707	16-20-6 4,270	11-54-0 3,687	10-20-10 3,244	12-12-12 3,090	7-21-7 2,011
KY	ANAL TENS	5-10-15 99,984	18-46-0 99,012	10-10-10 87,376	6-24-24 35,648	5-20-20 30,911	15-15-15 17,102	6-12-12 8,613	7-20-28 8,555	0-23-30 7,758	9-23-30 7,653	6-12-18 6,618	19-19-19 5,703	12-12-12 5,048	8-10-15 4,944	4-16-4 3,913
LA	ANAL TENS	13-13-13 52,236	8-24-24 25,933	6-24-24 22,657	21,912	20,125	17,861	12-12-12 17,773	8-8-8 14,682	0-17-34 10,427	10-10-10 8,243	12-6-10 7,972	18-18-9 7,303	4-11-11 7,176	0-20-30 6,946	15-15-15 6,695
MAINE	ANAL TENS	10-15-15 45,325	14-14-14 13,723	12-12-12 6,967	5,982	5,982	15-15-15 4,630	8-12-16 3,439	10-20-10 3,368	5-10-10 2,531	12-15-15 2,460	5-20-20 1,934	12-18-18 1,302	8-12-12 1,155	10-20-20 1,062	12-16-16 783
MD	ANAL TENS	10-10-10 49,310	10-20-20 38,756	18-46-0 22,780	5-10-10 9,286	0-10-30 7,971	10-6-4 7,587	4-8-12 6,330	12-8-20 6,039	5-10-30 6,039	6-24-24 5,806	5-15-30 5,412	15-10-10 5,105	13-10-22 5,209	5-10-5 4,612	2-6-12 4,164
MASS	ANAL TENS	10-10-10 8,941	5-10-10 4,004	26-3-3 3,624	10-6-4 3,224	15-8-12 2,816	15-15-15 2,674	10-20-10 2,095	25-3-3 1,922	18-4-8 1,637	18-4-8 1,415	15-10-10 1,373	5-10-5 1,306	10-20-20 1,288	16-8-12 1,056	8-10-10 994
MICH	ANAL TENS	6-24-24 166,696	18-46-0 58,255	8-32-16 42,181	12-12-12 38,872	16-16-16 30,424	8-25-3 16,577	15-15-15 15,728	19-19-19 13,440	14-14-14 13,440	10-20-20 12,947	10-34-0 12,971	10-20-10 11,441	13-13-13 8,875	6-24-26 8,290	9-18-6 6,984
MINN	ANAL TENS	359,013	9-23-30 28,589	10-34-0 24,451	7-21-7 18,126	7-23-5 17,568	3-10-30 13,096	11-55-0 10,359	9-18-9 9,860	8-10-10 8,103	11-52-0 8,103	15-38-10 6,716	5-16-42 6,264	10-20-20 5,127	10-26-26 5,127	6-24-24 4,324
MISS	ANAL TENS	13-13-13 163,157	8-24-24 54,204	0-24-24 32,088	5-15-30 28,672	0-17-34 25,875	6-8-8 22,132	0-15-30 17,943	3-9-18 17,290	3-9-18 13,257	4-12-24 10,052	8-8-8 8,748	18-4-8 5,748	12-12-12 5,366	15-10-10 5,366	6-24-24 2,676
MO	ANAL TENS	17-17-17 87,381	6-24-24 64,407	12-12-12 55,052	23-13-13 55,355	27-13-13 52,344	19-19-19 40,821	19-9-19 23,927	22-7-15 22,725	13-13-13 21,663	24-16-16 20,296	0-25-25 17,684	0-17-35 16,201	22-11-22 15,761	6-25-25 14,486	21-13-12 13,955

STATE	ANAL TONS	18-46-0	11-55-0	20-20-5	10-34-0	28-13-0	22-23-0	17-17-17	30-10-0	26-13-0	25-25-0	9-18-9	4-10-10	30-15-8	35-17-0
MT	65,553	24,778	10-34-0	12,750	3,687	1,977	1,470	897	562	512	108	9-18-9	4-10-10	30-15-8	35-17-0
NEBR	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
NEV	1-2-0	16-46-0	10-34-0	10-10-5	10-34-0	18-46-0	22-4-4	15-2-0	22-3-3	12-12-12	15-5-7	10-6-4	15-15-15	10-5-5	18-4-5
N H	15-8-12	10-10-10	5-10-10	10-20-10	10-20-20	15-10-10	15-15-15	26-3-3	505	575	542	20-0-10	18-46-0	10-15-15	25-3-3
N J	10-10-10	5-10-10	10-6-4	10-20-20	15-15-15	26-3-3	16-8-8	5-10-5	3,946	3,946	3,946	25-3-3	6-12-36	0-10-40	5-10-15
N MEX	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
N Y	15-15-15	10-20-20	6-24-24	30,074	23,494	18,546	15,278	10,747	9,817	9,460	8,982	5-10-5	15-8-12	6-12-6	5-10-10
N C	10-10-10	3-9-9	5-10-10	10-20-20	15-15-15	26-3-3	16-8-8	5-10-5	3,946	3,946	3,946	25-3-3	6-12-36	0-10-40	5-10-15
N DAK	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
OKLA	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
ORE	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
PA	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
R I	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
S C	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
S DAK	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
TENN	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
TEX	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
UTAH	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
VT	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
VA	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
WASH	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
W VA	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
WIS	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
WYO	18-46-0	10-34-0	7-21-7	27,912	8,453	6,864	6,847	6,135	5,198	4,872	3,851	9-18-9	4-10-10	30-15-8	35-17-0
TOTAL 1/	3,168,181	917,324	810,780	1,044,587	656,854	598,481	418,105	362,802	354,329	313,097	306,193	15-15-15	4-12-24	8-24-24	242,362

1/ EXCLUDES ALASKA, PANAMA, PUERTO RICO AND CONFIDENTIAL ANALYSES.

TABLE 14 — CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE,
YEAR ENDED JUNE 30, 1979

STATE	RANK														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL TUNS 183,446	8-24-24 72,604	5-15-15 50,182	5-10-15 38,281	8-8-8 36,658	3-5-18 22,509	0-20-20 20,614	4-12-12 19,646	4-12-24 15,028	0-24-24 12,732	3-10-20 12,031	6-18-18 8,994	15-10-10 8,065	10-10-10 7,888	4-10-20 7,314
ALZ	ANAL TUNS 18,825	18-46-0 12,500	18-18-0 1,818	16-6-8 744	35-17-0 707	11-52-0 583	15-8-4 261	9-26-26 243	10-6-4 236	10-30-5 207	10-4-6 182	0-17-24 178	0-20-20 149	24-4-12 134	13-13-13 134
AK	ANAL TUNS 50,141	12-24-12 25,632	0-20-20 21,446	0-24-24 20,244	5-15-30 15,744	10-20-10 11,163	10-20-20 17,665	0-17-34 14,212	0-18-36 14,212	8-24-24 11,560	4-12-24 10,027	0-12-30 9,868	12-12-12 9,382	0-24-24 7,145	19-19-19 6,488
CALIF	ANAL TUNS 66,574	12-12-12 25,707	0-24-24 23,681	0-24-24 23,504	10-10-10 21,370	4-10-10 19,093	20-10-10 16,171	21-7-14 15,442	15-15-15 12,917	10-10-10 12,962	10-10-10 12,573	16-6-8 10,821	15-10-10 10,522	14-14-7 9,742	14-7-14 8,837
CALG	ANAL TUNS 37,772	18-46-0 15,660	22-3-2 3,990	24-10-5 3,000	0-18-12 2,476	10-5-5 2,458	23-19-17 2,225	11-52-0 1,655	10-20-6 1,306	23-20-10 1,247	25-4-8 1,115	7-21-7 986	22-4-4 968	11-55-0 637	20-5-10 598
CUNW	ANAL TUNS 6,211	10-10-10 2,685	5-10-10 2,552	26-3-3 2,310	8-10-10 1,719	13-10-10 1,709	6-3-6 1,291	14-7-14 1,283	15-8-12 1,220	12-15-15 1,065	25-3-3 950	5-10-5 944	16-8-12 891	2-1-2 564	10-20-20 582
DEL	ANAL TUNS 9,900	10-20-20 7,465	18-46-0 4,503	13-10-22 4,503	5-10-10 4,468	3-15-30 3,119	3-9-18 2,657	12-8-20 2,331	15-15-15 2,331	5-15-30 2,050	8-10-10 1,905	15-10-10 1,680	5-10-30 1,570	4-12-24 1,452	5-10-15 1,415
D C	ANAL TUNS 1,051	10-10-10 1,014	5-10-5 920	5-10-10 851	26-3-3 429	23-7-7 400	25-0-5 245	29-3-3 236	22-0-16 34	20-4-10 30	3-3-10 25	31-3-10 15	24-4-8 14	14-7-7 11	20-10-10 9
FLA	ANAL TUNS 76,677	10-10-10 58,942	12-0-12 58,942	6-8-8 49,524	18-0-16 49,524	12-2-12 41,147	5-10-15 38,356	16-8-8 37,718	16-8-8 33,230	20-10-10 27,608	13-13-13 26,344	14-0-14 25,846	8-8-8 22,067	3-9-18 21,650	8-4-10 19,951
GA	ANAL TUNS 376,582	4-12-24 144,054	4-12-24 111,517	0-10-20 68,497	4-8-12 44,120	10-10-10 35,501	7-14-21 27,165	3-5-5 21,008	6-12-12 17,430	16-20-30 16,336	13-13-13 16,333	3-10-20 16,363	8-16-24 14,784	0-14-14 14,127	3-9-24 12,726
IOWA	ANAL TUNS 54,251	18-46-0 11,295	20-16-6 7,354	2-1-5 7,354	10-10-10 6,429	18-16-16 6,286	11-55-0 3,351	10-12-0 284	18-18-18 115	10-10-10 115	10-10-10 115	10-10-10 115	10-10-10 115	10-10-10 115	10-10-10 115
ILL	ANAL TUNS 596,702	6-24-24 75,278	5-10-30 69,418	5-9-12 64,105	5-17-21 36,782	5-20-35 30,355	10-24-0 29,898	0-18-6 27,776	6-32-16 24,317	4-10-10 18,552	9-23-30 18,174	4-13-26 15,316	3-10-10 14,993	4-16-20 14,826	0-23-30 13,763
IND	ANAL TUNS 155,688	6-24-24 141,752	4-12-24 125,930	15-4-0 125,930	4-12-24 114,632	10-34-0 100,403	3-9-5 78,517	7-21-7 61,188	4-10-10 55,232	0-9-27 50,345	13-13-13 46,623	0-15-40 46,026	5-18-21 38,690	20-5-10 36,525	10-5-10 35,237
KANS	ANAL TUNS 655,051	6-24-24 44,008	3-10-30 41,845	3-10-30 40,401	8-32-16 34,678	20-10-10 31,039	3-6-27 25,374	7-21-7 23,653	11-54-0 16,774	5-17-21 15,530	6-13-24 13,301	6-18-18 13,946	4-16-22 12,219	7-23-5 11,411	9-18-9 11,411
KY	ANAL TUNS 105,028	10-34-0 87,605	6-24-24 61,017	11-54-0 27,850	12-50-0 10,587	16-20-6 8,135	6-24-24 7,274	11-22-0 6,217	11-52-0 5,751	12-24-12 5,510	11-55-0 5,465	4-10-10 5,137	12-12-12 4,605	12-12-12 4,004	10-34-0 2,863
LA	ANAL TUNS 51,794	5-12-15 24,575	10-10-10 19,101	6-24-24 15,865	0-24-24 17,443	15-15-25 17,997	7-28-28 14,403	0-23-30 14,403	15-19-15 6,830	6-12-12 6,437	6-23-30 6,092	6-12-18 5,888	4-11-11 5,537	10-10-10 4,942	5-10-5 4,024
MAINE	ANAL TUNS 34,781	14-14-14 15,232	15-15-15 7,013	12-12-12 7,013	12-15-15 6,554	15-8-12 5,320	10-10-10 3,512	10-10-10 2,555	6-24-24 2,585	8-12-16 2,225	18-46-0 1,915	5-20-20 1,750	8-12-12 1,155	10-20-20 954	5-10-5 798
MD	ANAL TUNS 52,154	10-10-10 33,491	18-46-0 27,595	5-10-10 26,647	12-24-24 18,442	4-8-12 8,703	5-18-30 6,481	13-6-4 6,335	6-24-24 6,152	12-8-20 6,157	13-10-22 6,014	5-15-30 5,642	0-10-30 4,942	4-10-24 4,172	5-10-5 4,024
MASS	ANAL TUNS 6,756	5-10-10 3,719	15-8-12 3,156	26-3-3 3,105	10-6-4 2,948	24-4-4 2,808	15-15-15 2,600	25-3-5 1,950	5-10-5 1,865	13-20-10 1,844	18-46-0 1,426	10-20-20 1,231	15-10-10 1,025	12-4-8 1,025	12-7-10 982
MICH	ANAL TUNS 405,916	18-46-0 92,405	6-24-24 19,496	11-54-0 18,702	7-21-7 16,459	6-24-24 13,714	3-10-30 13,490	7-23-5 10,721	8-32-16 5,570	11-55-0 8,487	15-38-10 6,504	4-13-26 5,410	9-18-9 4,972	10-20-20 4,782	5-14-42 4,468
MINN	ANAL TUNS 157,454	6-24-24 56,284	0-24-24 37,477	5-15-20 37,355	0-17-24 30,282	0-10-20 17,178	0-20-20 12,604	6-6-6 10,446	3-9-18 7,755	4-12-24 7,776	18-46-0 3,874	6-10-30 3,120	12-12-12 3,120	3-9-27 2,950	5-20-20 2,860
MISS	ANAL TUNS 17,177	6-24-24 6,747	15-15-15 6,032	27-13-13 59,050	12-15-15 55,631	23-11-11 23,540	24-16-16 28,915	0-17-35 27,626	0-24-24 27,626	15-9-15 24,556	6-25-25 22,807	22-7-15 21,414	9-23-30 20,191	9-23-30 19,073	0-12-36 18,631
MO	ANAL TUNS 53,671	6-24-24 27,046	15-15-15 6,032	27-13-13 59,050	12-15-15 55,631	23-11-11 23,540	24-16-16 28,915	0-17-35 27,626	0-24-24 27,626	15-9-15 24,556	6-25-25 22,807	22-7-15 21,414	9-23-30 20,191	9-23-30 19,073	0-12-36 18,631

TABLE 15 -- TONNAGES OF THE 150 MOST POPULAR MIXTURES CONSUMED,
YEARS ENDED JUNE 30, 1978 AND 1979 1/

GRADE	CONSUMPTION		PROPORTION OF TOTAL		GRADE	CONSUMPTION		PROPORTION OF TOTAL	
	1978	1979	1978	1979		1978	1979	1978	1979
	TONS		PERCENT			TONS		PERCENT	
0-9-27	73,158	116,181	.33	.50	9-18-9	63,802	60,491	.29	.26
0-10-20	134,135	138,063	.61	.59	9-23-30	127,377	132,267	.58	.57
0-10-30	42,164	46,189	.19	.20	10-5-10	60,934	57,519	.28	.25
0-10-40	49,355	61,931	.23	.27	10-6-4	74,568	67,040	.34	.29
0-12-36	18,369	24,204	.08	.10	10-10-10	810,780	772,620	3.71	3.32
0-14-14	17,924	21,348	.08	.09	10-10-20	55,135	57,883	.25	.25
0-14-42	34,289	42,710	.16	.18	10-15-15	49,691	39,066	.23	.17
0-15-30	92,063	88,486	.42	.38	10-20-10	189,219	185,771	.87	.80
0-15-40	48,213	58,256	.22	.25	10-20-20	418,105	397,889	1.91	1.71
0-17-34	58,548	69,708	.27	.30	10-20-30	33,737	41,137	.15	.18
0-17-35	21,304	32,459	.10	.14	10-26-26	27,496	28,945	.13	.12
0-18-36	43,859	57,105	.20	.25	10-30-0	23,809	23,854	.11	.10
0-23-30	80,128	82,317	.37	.35	10-34-0	598,481	672,997	2.74	2.89
0-24-24	61,548	65,912	.28	.28	10-40-10	25,755	24,186	.12	.10
0-24-26	91,316	95,399	.42	.43	11-33-0	15,872	20,280	.07	.09
0-25-25	130,537	156,447	.60	.67	11-52-0	42,526	30,830	.19	.13
0-26-26	52,721	60,981	.24	.26	11-53-0	801	24,713	.00	.11
1-1-1	83,387	84,585	.38	.37	11-54-0	18,778	77,607	.09	.33
1-1-1	16,770	31,712	.08	.14	11-55-0	105,168	87,211	.48	.37
2-6-12	136,510	157,719	.62	.68	12-0-12	56,124	59,332	.26	.25
3-9-9	313,057	302,324	1.43	1.30	12-2-12	30,306	41,152	.14	.18
3-9-12	59,872	80,593	.27	.35	12-6-8	30,317	27,514	.14	.12
3-9-18	354,335	374,581	1.62	1.61	12-6-6	46,827	48,105	.21	.21
3-9-27	52,121	77,788	.24	.33	12-12-12	362,802	357,166	1.66	1.53
3-9-30	5,142	19,073	.02	.08	12-24-12	77,041	85,917	.35	.37
3-10-10	41,059	46,155	.19	.20	12-24-24	53,049	69,473	.24	.30
3-10-20	29,980	37,803	.14	.16	12-50-0	29,663	20,171	.14	.09
3-10-30	138,351	179,708	.63	.77	13-13-13	704,587	695,810	3.22	2.99
3-18-18	18,912	20,882	.09	.09	13-52-0	37,126	23,375	.17	.10
4-8-12	171,082	148,863	.78	.64	14-0-14	25,364	35,626	.12	.15
4-10-10	124,750	154,385	.57	.66	14-7-7	47,964	47,160	.22	.20
4-12-12	70,873	57,276	.32	.25	14-7-14	23,756	23,447	.11	.10
4-12-24	273,169	330,148	1.25	1.42	14-14-14	103,065	102,131	.47	.44
4-12-36	102,327	128,896	.47	.55	15-5-5	18,440	19,469	.08	.08
4-13-26	30,173	44,297	.14	.19	15-5-10	20,836	20,021	.10	.09
5-10-5	44,665	40,651	.20	.17	15-8-12	32,587	32,790	.15	.14
5-10-10	306,192	275,506	1.40	1.18	15-10-10	66,340	61,272	.30	.26
5-10-15	659,854	612,002	3.02	2.63	15-15-15	303,790	295,326	1.39	1.27
5-10-30	88,360	124,425	.40	.53	15-40-5	23,086	20,553	.11	.09
5-15-30	242,362	248,449	1.11	1.07	16-0-16	45,770	49,525	.21	.21
5-17-21	51,658	58,797	.24	.25	16-4-8	40,813	48,125	.19	.21
5-18-21	33,840	38,694	.15	.17	16-6-12	70,343	76,596	.32	.33
5-20-20	104,405	94,562	.48	.41	16-8-8	98,167	98,283	.45	.42
5-20-35	25,653	41,722	.12	.18	16-10-10	18,599	21,150	.09	.09
5-23-27	31,068	28,976	.14	.12	16-16-16	123,274	134,829	.56	.58
6-6-6	72,247	78,564	.33	.34	16-17-9	63,425	111,639	.29	.48
6-8-8	60,184	60,055	.28	.26	16-20-6	26,340	35,235	.12	.15
6-12-6	20,474	22,416	.09	.10	16-20-20	835	28,566	.00	.12
6-12-12	118,765	95,467	.54	.41	17-17-17	183,862	204,869	.84	.88
6-12-18	115,886	105,224	.53	.45	18-9-3	17,654	24,368	.08	.10
6-18-6	69,449	69,896	.32	.30	18-12-2	14,606	32,611	.07	.14
6-18-18	57,957	71,409	.27	.31	18-18-5	34,860	28,750	.16	.12
6-18-36	62,635	63,555	.29	.27	18-46-0	3,168,181	3,674,572	14.49	15.79
6-20-20	30,431	25,368	.14	.13	19-9-0	33,708	29,380	.15	.13
6-24-24	917,329	894,805	4.15	3.84	19-9-19	25,554	27,920	.12	.12
6-25-25	16,542	24,326	.08	.10	19-19-19	117,915	140,203	.54	.60
6-26-26	37,756	38,690	.17	.17	20-0-20	23,360	22,857	.11	.10
7-14-21	53,423	45,481	.24	.20	20-5-5	15,801	19,409	.07	.08
7-21-7	166,673	172,170	.76	.74	20-5-10	64,643	74,419	.30	.32
7-22-5	21,209	19,594	.10	.08	20-10-0	104,484	81,761	.48	.35
7-23-5	46,525	46,488	.21	.21	20-10-5	23,471	19,906	.11	.09
7-28-28	48,562	47,279	.22	.20	20-10-10	144,278	154,165	.66	.66
7-31-12	18,707	15,545	.09	.08	20-20-20	28,475	25,614	.13	.11
8-0-24	20,428	21,141	.09	.09	21-7-14	32,206	36,137	.15	.16
8-2-8	17,352	18,823	.08	.08	21-8-17	13,742	20,279	.06	.09
8-4-10	6,292	21,643	.03	.09	21-14-14	14,797	23,656	.07	.10
8-8-8	186,514	183,855	.85	.79	22-7-15	23,952	23,632	.11	.10
8-16-8	23,732	23,545	.11	.10	22-11-0	27,212	24,323	.12	.10
8-16-16	22,402	23,747	.10	.10	22-11-22	19,028	20,200	.09	.09
8-16-24	40,543	42,635	.19	.18	23-11-11	56,647	56,135	.26	.24
8-24-0	15,290	20,791	.07	.09	24-8-0	21,526	18,582	.10	.08
8-24-8	18,832	15,353	.09	.08	24-16-16	23,022	32,962	.11	.14
8-24-24	247,556	231,547	1.13	.99	25-3-3	29,787	31,854	.14	.14
8-25-3	41,471	45,165	.19	.19	26-3-3	45,053	38,577	.21	.17
8-32-16	234,242	227,455	1.07	.98	27-13-13	55,106	61,792	.25	.27
					TOTAL	17,159,281	18,290,772	78.46	78.60

NUMBER OF GRADES AND TOTAL TONNAGE BY CLASS:
YEAR ENDED JUNE 30

GRADES OF 10,000 TONS OR MORE
GRADES 5,000 TONS TO 9,999 TONS
GRADES 2,500 TONS TO 4,999 TONS
LESS THAN 2,500 TONS AND GRADE NOT REPORTED

TOTAL (48 STATES AND DISTRICT OF COLUMBIA)

NUMBER

1978	1979
213	226
119	135
195	216

TONS

1978	1979
18,132,103	19,315,874
845,966	945,792
703,713	765,066
2,188,551	2,245,439

PERCENT OF TOTAL

1978	1979
82.91	83.00
3.87	4.06
3.22	3.29
10.01	9.65

21,870,333	23,272,171	100.00	100.00
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1/ EXCLUDES ALASKA, HAWAII AND PUERTO RICO AND GRADES MADE BY ONLY ONE COMPANY.

TABLE 16 -- AVERAGE PRIMARY NUTRIENT CONTENT OF MIXTURES AND DIRECT APPLICATION MATERIALS CONSUMED,
YEAR ENDED JUNE 30, 1979

STATE	MIXTURE 1/				MATERIAL 2/					TOTAL IN MIXTURES AND MATERIALS
	N	AVAILABLE	K O 2	TOTAL	N	AVAILABLE	K O 2	MULTIPLE NUTRIENT	TOTAL	
		P O 2 5				P O 2 5				
- - - PERCENT - - -										
ALA	8.11	14.76	17.34	40.21	35.05	20.05	53.78	19.18	34.29	38.30
ALAS	14.40	23.13	12.69	50.22	40.75	.00	59.82	59.00	42.62	47.58
ARIZ	12.38	31.00	5.33	48.71	41.10	56.29	60.00	42.97	41.96	43.37
ARK	8.74	17.63	19.33	45.70	42.25	44.17	58.25	18.94	43.30	44.65
CALIF	12.25	14.51	7.81	35.01	31.78	33.35	54.55	30.63	31.94	32.71
COLC	15.53	31.01	2.77	49.31	43.33	39.02	52.29	42.32	43.65	44.84
CONN	12.52	8.29	8.88	30.09	41.01	35.20	60.99	15.75	30.39	30.19
DEL	9.17	15.34	15.72	40.22	32.29	46.00	60.92	8.19	40.47	40.31
D C	16.85	6.79	6.17	29.81	36.76	43.20	58.85	6.07	15.06	27.60
FLA	10.27	6.51	14.20	30.98	33.35	15.00	44.85	27.01	32.01	31.12
GA	5.71	10.72	17.18	33.61	33.52	17.36	43.50	44.78	34.08	33.78
HAW	12.93	18.49	13.84	45.25	59.44	23.80	59.53	60.66	54.97	49.76
IDAHO	15.71	31.04	5.45	56.20	38.24	48.44	56.36	37.49	39.39	43.01
ILL	11.64	28.70	10.21	50.56	51.31	44.97	60.00	44.72	54.03	52.83
IND	6.67	19.51	17.58	44.16	45.95	45.12	57.80	.00	49.88	46.87
IDNA	13.40	33.05	7.96	54.41	54.17	43.03	60.45	51.90	55.63	55.23
KANS	14.52	39.33	2.54	56.39	54.21	43.53	60.00	35.93	54.18	54.84
KY	10.13	21.23	13.20	44.57	40.66	45.28	58.71	24.42	47.39	45.89
LA	9.16	15.48	17.60	42.24	40.73	37.60	21.06	8.83	36.87	40.41
MAINE	11.58	14.41	13.66	39.65	41.07	36.67	57.63	7.36	37.12	39.45
MD	9.51	16.34	15.20	41.05	37.39	44.51	60.63	9.06	42.35	41.48
MASS	14.45	10.03	10.12	34.63	41.18	37.49	56.77	9.41	33.36	34.42
MICH	10.16	23.86	16.23	50.25	49.61	44.81	59.56	8.77	52.23	51.18
MINN	14.31	36.57	6.38	57.26	55.44	45.42	59.80	59.95	58.72	58.26
MISS	7.56	16.52	15.88	43.96	41.46	17.80	61.00	11.69	40.58	42.45
MO	13.53	15.18	19.51	48.62	48.49	42.43	56.26	12.79	48.87	48.67
MONT	16.45	42.50	.80	59.79	38.54	45.90	59.70	41.75	41.26	50.71
NEBR	13.52	35.85	2.87	52.23	55.88	44.40	41.03	34.38	53.88	53.51
NEV	12.82	19.07	3.11	35.00	31.76	38.78	15.83	28.40	31.13	31.94
N H	12.70	11.38	12.25	36.33	39.30	40.43	60.31	9.17	35.69	36.20
N J	11.86	11.11	11.44	34.41	35.37	44.38	58.02	9.46	31.41	33.88
N MEX	14.65	34.04	2.77	51.50	48.35	44.97	29.27	29.57	43.89	46.38
N Y	10.51	15.96	14.64	41.11	36.58	56.34	55.27	15.23	40.67	40.97
N C	6.71	11.50	16.14	34.34	30.82	31.56	57.05	25.50	31.68	33.57
N DAK	16.77	40.13	3.48	60.37	62.54	45.59	60.00	35.65	61.32	60.97
OHIO	10.36	25.25	14.73	50.34	44.84	44.51	60.35	8.41	50.14	50.23
OKLA	14.39	31.84	6.01	52.24	54.80	45.18	55.66	32.51	53.74	53.21
OREG	16.39	25.92	5.30	47.60	34.83	34.17	55.28	39.08	37.13	39.26
PA	10.15	15.78	13.95	39.92	35.35	40.43	59.05	38.28	40.31	40.04
R I	10.68	10.00	9.75	30.43	44.45	43.24	60.98	31.52	37.49	32.26
S C	4.99	10.59	18.83	34.41	29.17	22.43	54.34	46.54	32.03	33.69
S DAK	16.95	34.19	3.34	54.48	44.26	50.62	59.78	41.92	46.04	49.23
TENN	10.69	23.15	12.82	46.66	37.05	46.00	60.64	8.80	47.06	46.84
TEX	15.32	16.47	6.80	38.59	48.05	42.90	42.97	31.58	45.99	41.70
UTAH	19.41	16.80	3.72	39.93	32.85	51.63	61.00	45.76	37.00	37.29
VT	11.62	14.77	13.87	40.25	37.96	46.00	60.00	.00	45.43	41.32
VA	8.31	12.14	14.88	35.33	30.03	43.77	57.58	33.09	32.74	34.68
WASH	15.06	32.52	4.91	52.49	36.73	44.28	56.65	28.69	37.42	40.34
W VA	9.08	13.85	13.41	36.34	34.12	45.35	59.77	3.70	41.68	39.25
WIS	11.72	28.92	13.00	53.65	47.06	44.05	59.47	9.12	52.82	53.09
WYO	16.74	39.75	.31	56.80	42.73	48.19	54.38	54.23	43.57	45.64
P R	13.41	5.51	11.49	30.41	21.67	46.00	47.48	74.00	23.24	30.12
TOTAL	10.84	19.93	12.90	43.67	45.87	41.92	58.47	31.84	47.72	45.77

1/ GUARANTEED TO CONTAIN 2 OR MORE OF THE PRIMARY NUTRIENTS N, P O, K O.

2/ INCLUDES ONLY MATERIALS GUARANTEED TO CONTAIN 1 OR MORE PRIMARY NUTRIENTS.

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,
YEAR ENDED JUNE 30, 1979

STATE	GRADE 17					
	11-46	13-39	16-20	16-48	18-46	21-53 27-14
	-- TONS --					
ALA	0	0	37	0	3,553	17 0
ALAS	55	0	0	0	120	0 0
ARIZ	12,023	0	24,632	0	16,500	0 0
ARK	0	65	1,204	0	6,441	0 0
CALIF	65,553	0	95,712	0	0	56 20,450
COLG	7,186	0	343	0	32,772	0 16
CONN	1,697	0	0	0	0	0 0
DEL	0	0	0	0	5,792	0 0
D C	0	0	0	0	2	0 0
FLA	0	135	0	0	1,820	1,951 0
GA	972	19,613	0	1	0	8,254 0
HAW	880	0	2	0	9,034	142 0
IDAHG	1,636	0	23,557	0	54,251	0 0
ILL	460	0	15	0	596,702	0 0
IND	0	0	0	0	123,818	0 0
IOWA	0	42	84	0	655,091	1,276 0
KANS	96	546	4,424	0	250,710	0 0
KY	0	0	0	0	109,028	2 0
LA	0	0	165	0	1,104	0 0
MAINE	0	0	0	0	1,915	0 0
MD	0	0	0	0	27,595	0 0
MASS	0	0	0	0	1,420	0 0
MICH	0	0	50	0	60,850	137 0
MINN	77	37	4,081	0	405,916	16,058 411
MISS	0	0	12	0	3,874	0 0
MO	0	0	23	0	2,827	0 0
MOAT	3,573	0	10,359	0	97,329	0 2,694
NEBR	70	0	10,670	0	172,386	0 0
NEV	366	0	2,587	0	395	0 0
N H	0	0	0	0	502	21 0
N J	1	20	0	0	3,980	43 0
N MEX	0	488	6,854	0	14,664	0 0
N Y	0	0	0	0	6,159	0 0
N C	92	2	0	0	18,805	0 0
N DAK	1,192	0	2,821	0	166,710	0 16
CHIC	0	0	0	0	203,564	10 0
CKLA	720	56	5,276	36	134,556	27 0
GREG	9,572	1,612	54,067	0	13,355	18 0
PA	13,918	0	8	0	1,287	2 0
R I	0	0	0	0	0	894 0
S C	0	0	0	0	0	1,733 0
S DAK	469	0	38	0	77,781	0 0
TENN	0	0	0	0	95,227	0 0
TEX	0	5,364	74,892	0	82,886	0 0
UTAH	1,784	0	2,416	0	1,517	0 0
VT	0	0	0	0	2,175	0 0
VA	3,565	174	0	0	8,741	66 0
WASH	1,632	619	40,704	0	34,507	0 0
W VA	0	0	0	0	132	0 0
WIS	0	0	33	422	167,253	0 0
WYC	0	0	427	0	8,680	0 0
P R	0	0	0	0	32	200 0
TOTAL	127,597	28,784	365,899	459	3,683,758	30,907 23,587

1/ IN OTHER TABLES, ALL QUANTITIES OF GRADE 11-48, 13-39, 16-20, 21-53, AND 27-14 ARE INCLUDED IN MATERIALS;
WHEREAS, 16-48 AND 16-46 ARE INCLUDED IN MIXTURES.

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,
YEAR ENDED JUNE 30, 1979--CONTINUED

STATE	GRADE						
	10-34	11-37	11-55	13-52	23-23	28-14	30-10
	-- TONS --						
ALA	4,362	110	24	17	0	1	8
ALAS	0	0	60	0	0	0	0
ARIZ	18,865	0	0	0	0	0	0
ARK	683	0	0	0	0	0	0
CALIF	66,974	0	0	1,468	0	0	22
COLO	13,040	0	657	219	0	13	318
CONN	0	0	0	0	0	0	0
DEL	541	0	0	0	0	0	0
D C	0	0	0	0	0	0	0
FLA	140	6	0	2	0	0	0
GA	0	0	0	448	0	0	5
HAW	112	14	0	0	0	0	0
IDAHO	0	0	3,351	0	0	0	0
ILL	29,898	251	223	1,410	0	0	18
IND	100,403	2,461	0	2,412	0	0	0
IOWA	40,401	293	4,586	4,146	0	8	140
KANS	63,017	268	5,465	0	0	0	175
KY	5,069	534	0	0	0	0	0
LA	1,838	36	0	0	0	0	25
MAINE	0	0	0	0	0	0	0
MD	39	0	0	1,225	0	0	0
MASS	1	2	0	0	0	0	0
MICH	12,274	0	0	2,140	0	0	0
MINN	52,409	264	8,487	1,731	196	303	153
MISS	308	0	0	0	0	0	0
MO	2,484	9	400	0	0	18	148
MONT	4,659	0	34,049	0	1,348	1,127	859
NEBR	76,865	4,002	5,098	146	0	20	327
NEV	1,609	0	123	0	0	0	0
N H	0	0	0	0	0	0	0
N J	307	0	0	0	0	0	0
N MEX	4,745	0	109	100	0	0	4
N Y	2,879	442	0	703	0	0	0
N C	2,201	109	0	64	0	0	4
N CAR	12,176	147	2,326	0	391	32	45
OHIO	25,214	44	0	3,826	0	0	0
OKLA	9,988	105	0	0	0	434	191
OREG	10,514	0	6,932	0	0	0	300
PA	933	0	0	325	0	0	91
R I	0	0	0	0	0	0	0
S C	0	0	0	0	0	0	0
S DAK	6,613	0	1,724	0	0	221	11
TENN	0	0	0	0	0	0	0
TEX	80,375	3,058	611	2,905	0	6,790	5,090
UTAH	782	0	0	0	0	0	598
VT	0	0	0	0	0	0	0
VA	3	3	0	88	8	0	0
WASH	17,632	0	13,246	0	0	0	0
W VA	0	0	0	0	0	0	0
WIS	102	0	0	0	0	0	4
WY	1,939	0	0	0	0	0	392
P R	0	0	0	0	0	0	5
TOTAL	673,109	12,958	67,271	23,375	1,943	8,970	8,933

TABLE 18 -- CONSUMPTION OF NITROGEN SOLUTIONS BY DIRECT-APPLICATION,
YEARS ENDED JUNE 30, 1978 AND 1979

STATE	UNDER 28% NITROGEN		28-32% NITROGEN		OVER 32% NITROGEN	
	1978	1979	1978	1979	1978	1979
ALA	0	0	67,080	64,935	0	0
ALAS	0	0	0	0	0	0
ARIZ	9,697	8,434	66,043	72,467	0	37
ARK	0	0	20,725	23,066	23	13
CALIF	154,265	192,308	207,204	170,202	4,942	2,458
COLO	13,460	7,320	62	85,887	62,571	8
CONN	63	0	10	0	23	0
DEL	0	0	22,101	24,163	136	115
D C	0	0	0	100	60	0
FLA	284	0	76,803	72,322	0	0
GA	30,550	41,060	368,781	366,672	40	33
HAW	0	0	0	10,736	0	0
IDAH	0	421	59,267	60,517	0	0
ILL	13,090	626	494,536	626,090	11,273	26,188
IND	0	0	508,405	454,921	397	2,490
IOWA	4,486	0	446,067	545,839	2,487	727
KANS	0	4,962	286,367	289,738	0	0
KY	0	0	75,872	47,506	6,260	0
LA	0	0	17,880	16,058	0	0
MAINE	0	0	0	0	0	0
MD	0	0	49,689	64,467	117	95
MASS	0	0	508	484	4	0
MICH	0	430	95,198	109,556	2	8
MINN	32	3	115,207	166,359	4,720	2,154
MISS	0	0	41,820	41,962	0	0
MO	110	63	85,736	98,653	52	5
MONT	0	6,577	5,121	269	0	0
NEBR	16,627	14,085	388,448	443,820	491	71
NEV	0	0	7,716	1,904	0	0
N H	0	0	0	0	0	0
N J	0	0	3,771	4,945	0	0
N MEX	0	0	15,213	15,679	0	0
N Y	703	239	40,558	46,296	72	315
N C	113	19	324,744	342,150	1,321	548
N DAK	0	0	45,669	66,475	0	0
OHIO	4,555	1,201	266,537	304,479	884	547
OKLA	1,112	2,617	53,737	65,517	0	0
OREG	18	5,950	54,621	52,196	0	470
PA	0	51,608	7	0	34,150	0
R I	0	0	4	0	0	0
S C	17,992	13,857	156,681	145,090	0	0
S DAK	0	0	45,725	59,024	97	25
TENN	0	0	39,067	33,494	0	0
TEX	7,691	855	174,275	217,669	0	1,208
UTAH	0	0	1,380	2,237	0	0
VT	0	0	457	1,538	0	0
VA	0	0	133,907	137,186	0	1
WASH	6,117	4,808	109,950	113,154	89	0
W VA	0	0	126	25	0	0
WIS	475	0	119,239	122,852	328	2,548
WYO	14	0	6,550	12,385	38	0
P R	0	0	0	0	0	0
TOTAL	281,454	357,582	5,098,864	5,601,184	130,577	40,064

TABLE 19 -- MICRONUTRIENTS SOLD FOR FERTILIZER IN THE UNITED STATES

REGION OF APPLICATION	QUANTITY OF THE ELEMENT SOLD				
	COPPER	IRON	MANGANESE	ZINC	MOLYBDENUM
TONS					
JULY 1, 1977-JUNE 30, 1978					
NEW ENGLAND (CONN, ME, MASS, N H, R I, VT)	8.4	10.2	46.7	91.9	0.2
MID-ATLANTIC (DEL, D C, MD, N J, N Y, PA, W VA)	112.3	43.6	259.0	274.0	0.3
SOUTH ATLANTIC (FLA, GA, N C, S C, VA)	670.2	1,039.1	8,713.1	7,517.0	7.1
EAST NORTH CENTRAL (ILL, IND, MICH, OHIO, WIS)	112.1	209.0	5,077.5	2,560.1	47.2
WEST NORTH CENTRAL (IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	180.7	456.5	2,069.6	9,630.4	14.5
EAST SOUTH CENTRAL (ALA, KY, MISS, TENN)	43.6	234.5	882.5	1,671.4	19.0
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	147.8	862.4	611.4	3,080.8	18.8
MOUNTAIN (ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	31.9	828.2	442.7	5,177.2	2.4
PACIFIC (CALIF, OREG, WASH)	63.1	583.3	453.5	6,462.4	4.1
ALAS, HAW, PR	0.4	9.0	2.3	0.7	2.0
TOTAL	1,370.5	4,275.8	18,558.3	36,465.9	115.6
TONS					
JULY 1, 1978-JUNE 30, 1979					
NEW ENGLAND (CONN, ME, MASS, N H, R I, VT)	7.9	10.0	10.3	93.9	
MID-ATLANTIC (DEL, D C, MD, N J, N Y, PA, W VA)	72.3	45.4	495.0	286.1	0.6
SOUTH ATLANTIC (FLA, GA, N C, S C, VA)	752.2	553.7	8,075.6	6,314.5	8.1
EAST NORTH CENTRAL (ILL, IND, MICH, OHIO, WIS)	51.0	381.2	4,465.2	4,728.8	42.7
WEST NORTH CENTRAL (IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	142.8	521.4	1,041.3	16,977.8	8.5
EAST SOUTH CENTRAL (ALA, KY, MISS, TENN)	61.5	180.7	367.5	1,925.6	13.9
WEST SOUTH CENTRAL (ARK, LA, OKLA, TEX)	114.1	1,460.6	570.7	5,094.8	22.9
MOUNTAIN (ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	22.0	505.6	331.2	4,785.5	1.7
PACIFIC (CALIF, OREG, WASH)	65.0	549.2	369.4	10,193.9	1.5
ALAS, HAW, PR	2.5	11.1	2.3	5.2	2.1
TOTAL	1,291.3	4,218.9	15,728.5	50,406.1	102.0

TABLE 20--CONVERSION FACTORS

TO CONVERT	TO	MULTIPLY BY
P ₂ O ₅	P	0.43642
P	P ₂ O ₅	2.29137
K ₂ O	K	0.83016
K	K ₂ O	1.20459

TABLE 21--AVERAGE ANALYSES FOR YEAR ENDING JUNE 30, 1979

ITEM	N	P ₂ O ₅	K ₂ O
MIXED FERTILIZERS	10.84	19.93	12.90
NITROGEN MATERIALS:			
ANHYDROUS AMMONIA	82.0		
AQUA AMMONIA	20.2		
AMMONIUM NITRATE	33.5		
AMMONIUM SULFATE	20.9		
NITROGEN SOLUTIONS	28.7		
SODIUM NITRATE	16.0		
UREA	45.7		
AMMONIUM NITRATE LIMESTONE	17.6		
PHOSPHATE MATERIALS:			
PHOSPHATE ROCK 1/		2.7	
SUPERPHOSPHATE (22% + UNDER)		19.8	
SUPERPHOSPHATE (OVER 22%)		45.1	
PHOSPHORIC SOLUTIONS		55.7	
AMMONIUM PHOSPHATE	15.5	28.7	
POTASH MATERIALS:			
POTASSIUM CHLORIDE			60.3
POTASSIUM MAGNESIUM SULFATE			22.0
POTASSIUM NITRATE			44.0
POTASSIUM SODIUM NITRATE			14.6
POTASSIUM SULFATE			49.4
ORGANIC MATERIALS	2.8	2.2	2.2

1/ INCLUDES COLLOIDAL PHOSPHATE.

